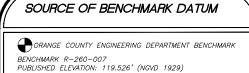


CONSTRUCTION PLANS FOR WEST SECOND AVENUE ROADWAY AND DRAINAGE IMPROVEMENTS PROJECT NO. : 2023-02

> TOWN OF WINDERMERE WINDERMERE, FLORIDA



ORANGE COUNTY ENGINEERING DEPARTMENT BENCHMARK BENCHMARK R-260-005 PUBLISHED ELEVATION: 106.701' (NGVD 1929)



GOVERNING STANDARDS AND SPECIFICATIONS : FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, DATED AND STANDARD SPECIFICATIONS FOR ROAD AND

P.E. REG. NO.: 41728

BRIDGE CONSTRUCTION, LATEST EDITION AS AMENDED BY CONTRACT DOCUMENTS.

NOTE

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE TOWN'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE TOWN'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

CERTIFICATION TO PLANS

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE 'MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS' IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(1) OF THE FLORIDA STATUTES.

MICHAEL. B. GALURA

ENGINEER:

DATE: 11/2023

BID SET PLANS PLAN DATE: NOVEMBER 2023

PROJECT LENGTH:	FEET	MILES
ROADWAY:	4,356	0.825
BRIDGES:	0	0
TOTAL LENGTH:	4,356	0.825

MAYOR JIM O'BRIEN

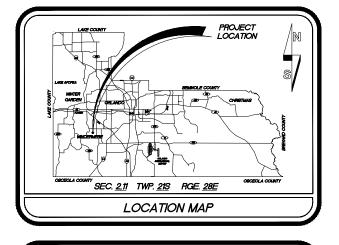
DGES:	0	0
TAL LENGTH:	4,356	0.825

TOWN MAYOR

TOWN COUNCIL

TONY DAVIT LOREN "ANDY" WILLIAMS MOLLY ROSE MANDY DAVID TOM STROUP ROBERT SMITH TONYA ELLIOTT-MOORE

COUNCIL MEMBER COUNCIL MEMBER COUNCIL MEMBER COUNCIL MEMBER COUNCIL MEMBER TOWN MANAGER PUBLIC WORKS DIRECTOR



(INDEX OF SHEETS								
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UTILITIES ENCOUNTERED

POWER: DUKE ENERGY1-	-800-700-8744
PHONE: CENTURY LINK	. 407-814-5393
WATER: UTILITIES INC. OF FLORIDA	. 407-869-1919
SEWER:	NONE
GAS: LAKE APOPKA NATURAL GAS DISTRICT	407-656-2734
CATV: BRIGHT HOUSE NETWORK	407-532-8509



BY	DATE	REVISIONS
\square		

DESIGNED BY: MBG	DATE: 11/2023	
DRAWN BY : CADD	DATE: 11/2023	<i>SHEET</i>
CHECKED BY: MBG	DATE: 11/2023	- OF 86
APPROVED BY: MBG	DATE: 11/2023	
PROJECT NO: TOW-05	2.01.000	



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MICHAEL GALURA ENGINEERING CONSULTANTS, LLC 3222 CORRINE DRIVE, SUITE H ORLANDO, FL 32803 CERTIFICATE OF AUTHORIZATION: 29032 MICHAEL B. GALURA, P.E., NO. 41728

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

73-76UTILITY PLAN - STANDARD DETAILS77-78STORM WATER POLLUTION PREVENTION PLAN (SWPPP)79STANDARD DETAILS - INDEX NO. 425-01080STANDARD DETAILS - INDEX NO. 425-02081-82STANDARD DETAILS - INDEX NO. 425-021	SHEET NO.	SHEET DESCRIPTION
80 STANDARD DETAILS – INDEX NO. 425–020 81–82 STANDARD DETAILS – INDEX NO. 425–021	$ \begin{array}{c} 1\\ 2\\ 3\\ 4\\ 5-6\\ 7-8\\ 9-15\\ 16-19\\ 20-28\\ 29\\ 30\\ 31\\ 32\\ 33\\ 34-53\\ 54-55\\ 56-58\\ 59\\ 58\\ 59-63\\ 64\\ 65\\ 66\\ 67\\ 68\\ 60\\ 61\\ 62\\ 63\\ 64-71\\ 72\\ 73-76\\ 77-78\\ \end{array} $	COVER SHEET SIGNATURE SHEET GENERAL NOTES SUMMARY OF PAY ITEMS AND NOTES TYPICAL SECTIONS DRAINAGE BASIN MAP TOPOGRAPHIC SURVEY (EXCLUDED – FOR REFERENCE ONLY) PROJECT CONTROL SHEET PLAN AND PROFILE – WEST SECOND AVENUE PLAN AND PROFILE – CUL-DE-SAC PLAN AND PROFILE – BUTLER STREET PLAN AND PROFILE – BUTLER STREET PLAN AND PROFILE – FOREST STREET PLAN AND PROFILE – DIRT MAN CROSS-SECTIONS – WEST SECOND AVENUE INTERSECTION DETAILS – WEST SECOND AVENUE DRAINAGE STRUCTURE CROSS-SECTIONS STANDARD DETAILS MAINTENANCE OF TRAFFIC – GENERAL NOTES MAINTENANCE OF TRAFFIC PLAN SWPPP GENERAL NOTES SWPPP GENERAL NOTES SUPPP GENERAL NOTES UTILITY PLAN – COVER SHEET UTILITY PLAN – SUMMARY OF PAY ITEMS AND NOTES UTILITY PLAN – STANDARD DETAILS STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
79STANDARD DETAILS - INDEX NO. 425-01080STANDARD DETAILS - INDEX NO. 425-02081-82STANDARD DETAILS - INDEX NO. 425-021	73–76 77–78	UTILITY PLAN - STANDARD DETAILS STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
84 STANDARD DETAILS – INDEX NO. 443–001 85 STANDARD DETAILS – INDEX NO. 520–001 86 PAVEMENT MARKING FOR SPEED HUMP	79 80 81-82 83 84 85	STANDARD DETAILS – INDEX NO. 425–010 STANDARD DETAILS – INDEX NO. 425–020 STANDARD DETAILS – INDEX NO. 425–021 STANDARD DETAILS – INDEX NO. 425–041 STANDARD DETAILS – INDEX NO. 443–001 STANDARD DETAILS – INDEX NO. 520–001

				CLIENT PM/CM BC	FIELD: PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD	MGEC MICHAEL GALURA ENGINEERING CONSULTANTS, LLC		TOWN OF WIND
REV.	DATE	DESCRIPTION	APP'D BY	PM/CM DM PM CM OTHERS	DESIGNED BY: MBG CHECKED BY: MBG DATE: NOVEMBER 2023	3222 Corrine Drive, Suite H Orlando, Florida 32803 407/493-5	9983	PUBLIC WORKS DEPAR 614 MAIN STREET, WINDERMERE,

	JOB No. TOW-052.01.000						
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E, FLORIDA 34786	SCALE: NONE						
		DRWG.	SHEET	2	OF		

SHEET 2 OF 86

DEFINI	TION:							
MHEN	USED	IN	THESE	GENERAL	NOTES,	THE	WORD	"OWNER"
HAVE	THE I	NDI	CATED	MEANING:				

TOWN OF WINDERMERE PUBLIC WORKS DEPARTMENT

GENERAL NOTES

SHALL

- (1) B.M. DATUM IS BASED ON N.G.V.D. 1929 (ORANGE COUNTY ENGINEERNG DEPT. DATUM)
- 2 GRADES SHOWN ARE FINISHED GRADES
- (3) UTILITIES ARE TO BE ADJUSTED BY OTHERS OR AS DIRECTED BY THE ENGINEER.

(4) UTILITIES ENCOUNTERED:

DUKE ENERGY 3300 EXCHANGE PLACE LAKE MARY FLORIDA 32746 PHONE NO (407) 942-9202

SPECTRUM BUSINESS 844 MAGUIRE ROAD OCOEE, FLORIDA 34761 PHONE NO.: (407) 656-1162

CENTURY LINK 33 N. MAIN STREET WINTER GARDEN, FLORIDA PHONE NO.: (407) 814-5393 FAX NO.: (407) 814-5320

UTILITIES, INC. OF FLORIDA 200 WEATHERSFIELD AVENUE ALTAMONTE SPRINGS, FLORIDA 32714 PHONE NO.: (407) 869-1919 (SCOTTY HALLS, EXT. 227) FAX NO.: (407) 869-6961

LAKE APOPKA NATURAL GAS DISTRICT 1320 SOUTH VINELAND ROAD WINTER GARDEN, FLORIDA 34777-1275 PHONE NO. (407) 656-2734, EXT. 116 FAX NO.: (407) 877-3893

ORANGE COUNTY UTILITIES DIVISION 150 CURRY FORD ROAD ORLANDO, FLORIDA 32825 PHONE NO. (407) 254-9900

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENT OF THE PROJECT SPECIFICATION, THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO, AND THE TOWN OF WINDERMERE SPECIFICATIONS. 5
- 6 SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT CURANATEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBIL THE CONTRACTOR TO INQUIRE OF THE ENGINEER IE ADDITIONAL INFORMATION IS AVAILABLE. TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS
- ALL PERSONAL PROPERTY, EXCEPT MAILBOXES, WITHIN THE RIGHT-OF-WAY NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS. (7)
- (8) THE RELOCATION OF MAILBOXES SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE RECONTINUE WARDEDGESTIGATE OF CONTINUED DE LINELLY THE CONTINUE CONTINUE OF CONTINUES OF THE PROPERTY OWNERS AND SHALL BE APPROVED BY THE FOST MASTER, IN ACCORNACE WITH FDOT INDEX NO. 110-200. THIS ITEM SHALL BE PAID FOR UNDER THE UNIT PRICE FOR "MALEDGY (FUNISH & INSTALL), EA", IF APPLICABLE.
- (9) THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL UNDESIRABLE MATERIAL. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
- ALL EXISTING TREES WITHIN THE RIGHT-OF-WAY ARE TO REMAIN UNLESS OTHERWISE DIRECTED. IF REQUIRED TO BE REMOVED, THE ITEM SHALL BE FOR PAID UNDER "MOBILIZATION/ DEMOBILIZATION" OR OTHER PAY ITEMS AS DESIGNATED IN THE CONTRACT DOCUMENTS. (10)
- (11) SOD ALL DISTURBED AREAS UNLESS OTHERWISE DIRECTED. SOD SHALL MATCH EXISTING TYPE SOD UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

(12) SOD ALL SLOPES 3:1 OR STEEPER.

13 SAWCUT CONCRETE DRIVEWAYS AS REQUIRED FOR CONSTRUCTION.

(14) ALL PAVEMENT OFFSETS SHOWN ARE TO PROPOSED CENTERLINE OR BASELINE OF

- (15) FOR STABILIZATION AT TURNOUTS AND DRIVEWAY CONNECTIONS SEE STANDARD FDOT INDEX No. 330-001 AND TYPICAL SECTIONS FOR DEPTH AND LBR.
- (16) DRIVEWAY LOCATIONS AND WIDTHS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY, OR AS DIRECTED BY THE OWNER/ENGINEER
- THE CONTRACTOR SHALL PERFORM HIS WORK IN ACCORDANCE WITH REQUIREMENTS OF THE VARIOUS PERMITS INCLUDED IN THE PROJECT MANUAL ENVRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATE IN THE PLANS AND/OR (17) DESIGNATED BY THE ENGINEER

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- (18) THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION F UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH THE UTILITY OWNER. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION.
- The contractor shall notify all gas utility companies a minimum of two (2) working days prior to excavation as required by chapter 77-153 of the florid struttes. (19)
- 20 ALL DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE DIRECTED BY THE OWNER/ENGINEER
- 21 MEASUREMENT OF DRAINAGE PIPE FOR PAYMENT SHALL BE DETERMINED FROM ACTUAL LENGTHS INSTALLED
- 22 ALL MANHOLE COVERS SHALL BE IDENTIFIED AS "STORM". AS APPROPRIATE.
- 23 ALL INLET/MANHOLE - PIPE JOINTS SHALL BE FILLED WITH NON-SHRINK GROUT, COVERED WITH AN ASPHALTIC MASTIC COATING, AND WRAPPED WITH A FILTER FABRIC MATERIAL PER SECTION 430-7.3.1.7 OF THE FDOT <u>STANDARD</u> SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION)
- 24) ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS. ALL INLET GRATES SHALL BE STEEL RETICULINE TYPE UNLESS OTHERWISE NOTED.
- 25 CHANGES OF PIPE INVERTS NOT EXCEEDING PLUS OR MINUS ONE (1) FOOT WIL NOT BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION FOR THE PERTINENT PIPE BID ITEM OR FOR MODIFICATION OF PRECAST STRUCTURES.
- 26) PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT TO HE TOWN OF WINDERMERE PUBLIC WORKS DEPARTMENT A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT TIES SHOW ON THE TITLE SHEET AND PLAN AND PROFILE SHEETS. AND/OR A SET OF FIELD IOTES FOR ALL ADDITIONAL BENCHMARK AND REFERENCE POINT TIES PROPOSEI TO BE USED IN CONSTRUCTING THE PROJECT WITH THEIR LOCATION, DESCRIPTION AND ELEVATION, BASED ON ORANGE COUNTY DATUM. ALL SUBMITTALS SHALL B SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE
- 27 TRAFFIC SIGNS - THE CONTRACTOR SHALL REMOVE, PROTECT AND RELOCATE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 28 NECESSARY, FLOWABLE FILL SHALL BE USED AT ALL CROSSINGS WHERE A PROPOSED STORM SEWER PE CROSSES OVER OR UNDER AN EXISTING SANITARY SEWER PIPE WITH TWO (2) FEET OR LESS PIPE CROSSES OVER OR UNDER AN EXISTING SANITARY SEVER PIPE WITH TWO (2) FEET OR LESS VERTICAL CLEARANCE AND WHERE MECHANICAL OR HAND COMPACITON IS DIFFICULT TO ACHIEVE OR IS NOT FEASIBLE. THE COST FOR THE USE OF FLOWABLE FILL TO OBTAIN INCESSARY COMPACTION BETWEEN THE EXISTING SANITARY SEWER PIPE AND THE STORM SEWER PIPE SHALL BE PAID FOR IN THE UNIT COST FOR ITEM "FURNISH & INSTALL CONCRETE STORM SEWER." "FURNISH & INSTALL ELLIPTICAL CONCRETE STORM SEWER"
- (29) IF NECESSARY, THE CONTRACTOR SHALL REPLACE A SEGMENT OF THE EXISTING SANITARY SEWER PIPE AT CROSSINGS WITH STORM SEWER PIPES EQUIVALENT TO THE WIDTH OF THE STORM SEWER PIPE TRENCH. THE REPLACEMENT SEWER PIPE SHALL BE OF THE SAME SIZE PVC PIPE (DR 18) OR EQUIVALENT AND SHALL BE PAID FOR IN THE UNIT COST FOR "FURNISH & INSTALL CONCRETE STORM SE OR "FURNISH" & INSTALL ELIPTICAL CONCRETE STORM SEWER", UNLESS NOTED AND QUANTIFIED. STORM SEWER'
- 30 WATER AND SEWER SERVICE SHALL BE MAINTAINED AT ALL TIMES DURING THE COURSE OF CONTRUCTION
- PIPE SLOPES DEPICTED ON THE PLAN AND PROFILE SHEETS ARE MEASURED FROM CENTERLINE OF STRUCTURE TO CENTERLINE OF STRUCTURE, WITH EXCEPTION TO THE POLLUTION CONTROL DEVICE UNITS, (31) WHICH ARE MEASURED FROM THE INSIDE WALL OF THE STRUCTURE
- (32) DRAINAGE STRUCTURE STATIONS AND OFFSETS ARE REFERENCED FROM THE CENTERLINE/BASELINE OF CONSTRUCTION TO THE CENTER OF THE STRUCTURE.
- 33 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION OF ANY IRRIGATION SYSTEMS. THE CONTRACTOR SHALL REPLACE ALL DAMAGED, REMOVED OR MODIFIED IRRIGATION SYSTEMS AT NO ADDITIONAL COST.
- (34) ALL SIDEWALKS SHALL MEET THE AMERICAN DISABILITIES ACT (ADA) STANDARDS.

EARTHWORK

- EW-L THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTAINENCE OF SLOPES AND EMBANKMENTS. THE CONTRACTOR SHALL REPAIR OR REMEDY DAMAGE TO SUCH IF CAUSED BY EROSION, CONTRACTOR ACTIVITIES OR LACK OF MAINTENANCE UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.
- EN-2. THE CONTRACTOR SHALL EXAMINE THE SITE, REVIEW THE PLANS, AND BACKFILL REQUIRED TO PERFORM THE WORK.
- EW-3. ALL FILL PLACED WITHIN PROPOSED ROAD RIGHT-OF-WAYS SHALL BE COMPACTED AS FOLLOWS:

* ROADWAY SHOULDERS (OUTSIDE PAVEMENT) 95% MAXIMUM DENSITY, AASHTO T-180.

- * ROADWAY AREAS (UNDER PAVEMENT) 98% MAXIMUM DENSITY, AASHTO T-180.
- EN-4. IN ALL AREAS WHICH REQUIRE FILL MATERIAL. THE CONTRACTOR WILL STRIP OF THERWISE REMOVE ALL VEGETATION AND OTHER DELETERIOUS MATERIAL BEFORE OTHERWISE REMOVE ALL VEGETATION AND OTHER DELETENCIES MATERIAL BET EMBANKWENT IS STARTED. IMMEDIATELY PRIOR TO THE PLACING OF FILL MATERIALS, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED WILL BE SCARIFED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL, UNLESS DIRECTED OTHERWISE BY THE GEOTECHNICAL ENGINEER.
- EN-G. UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER AND PRIOR TO THE PLACEMENT OF FILL, THE AREA TO BE FILLED WILL BE PROOF ROLLED. ANY AREA SHOWING SIGNS OF PUMPING, WEAVING OR OTHER FORMS OF INSTABILITY SHALL BE SELECTIVELY REMOVED AND REPLACED WITH COMPACTED SELECT FILL.

GEOMETRY & SURVEY

- GEL ALL PAVEMENT DIMENSIONS SHOWN ARE TO THE EDGE OF PAVEMENT, UNLESS THERWISE NOTED
- CG-2 ALL INLET AND MANHOLE OFFSET DISTANCES SHOWN ARE MEASURED TO THE CENTERLINE OF THE STRUCTURE UNLESS OTHERWISE NOTED.
- GB-3. PUBLIC LAND CORNERS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. FOLLO EARLY GARAGES WHINK THIS UNITS OF SEASON ON STRALL OF THOSE THE CONTRACT THOSE OF THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE PROVIDE WRITTER, WITHOUT DELAY, BY TELEPHONE. THE CONTRACTOR SHALL PROVIDE WRITTER FOLLOW UP CONFIRMATION WITHIN FORTY-EIGHT (48) HOURS OF TELEPHONE NOTIFICATION
- GB-4 ALL (P.R.M.'s) IRONS AND MONUMENTS SHOWN ON PLANS, OR FOUND. SHALL BE RESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX
- GB-5. ANY U.S.C. AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND BOTH SHALL NOTIFY:

STATE GEODETIC ADVISOR 3900 COMMONWEALTH BOULEVARD TALLAHASSEE, FL (904) 488-2427

GEOTECHNICAL & TESTING

- GT-L THE CONTRACTOR SHALL ENSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR THE PLACEMENT OF ALL STRUCTURES, OR COMPACTED EARTH. SOIL TESTING SHALL BE PROVIDED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNERS CONSULTANT FOR SCHEDULING ALL TESTING PRIOR TO CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE FOR TESTING WORK IN ANCE OF CONSTRUCTION
- GT-2 ALL SOIL STRIPPINGS, DELETERIOUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER OR SPECIFIED ELSEWHERE IN THE PLANS FOR SELECT DISPOSAL. IN NO CASE WILL BURIAL OF DISPOSABLE MATERIAL

DAMAGE AND INJURY TO PROPERTY OF ANY CHARACTER, DURING THE DAMAGE AND INJURT TO FROFENT OF ANY CHARACLEY, DURING THE PROSECUTION OF THE WORK, RESULTING FROM ANY ACT, OMISSION, NEGLECT, OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANY TIME DUE TO DEFECTIVE WORK OR MATERIALS. HP-4. THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL LOAD RESTRICTIONS WHEN HAULING MATERIALS COMPLET WITH ALL LEGAL LOAD RESIDENTIONS WIT HAULING MATERIALS OR EQUIPMENT BEYOND THE LINTS OF THE WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR FROM ANY LIABILIT FOR DAMAGE OR INJURY WHICH MAY RESULT FROM MOVING EQUIPMENT OR

- BEFORE COMMENCING WORK ON PRIVATE LANDS, WHERE SHOWN, THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE OWNER (TOWN OF WINDERMERE) TO THERESO OCCUPY FOR THE SOLE PURPOSE OF PROSECUTING THE WORK. THE CONTRACTOR SHALL USE ALL DUE CAUTION AND CARE TO PROTECT THE PROPERTY AT ALL TIMES AND IN ALL MANNER FROM HIS WORK AND TO LIMIT HIS ACTIVITES AS NECESSARY TO PERFORM THE WORK AS DESCRIBED BY THE CONTRACT DOCUMENTS OF THE WORK IS INCOMPLETE AT THE END OF THE WORK DAY SHALL SECURE THE WORK AREA AND MATERIALS TO PROVIDE FOR THE SAFET F ALL PERSONS, KNOWN OR UNKNOWN. SAFTEY SHALL BE FIRST CONSIDERATION
- RP-6. ABSOLUTELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION ARFA. ABSOLUTELT NO WORK WILL BE ALLOWED WITHIN ANT CONSERVATION AREA BUFFER AREA, MITIGATION AREA, OR DESIGNATED WETLAND AREA UNLESS SO SPECIFICALLY DESCRIBED BY THE PLANS AND GRANTED BY REASON OF PERMIT FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER SAID AREA.

AND THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PP-7. STORMWATER POLLUTION PREVENTION PLAN IF THE TOTAL AREA TO BE CLEARED IS EQUAL TO, OR EXCEEDS ONE (1) ACRE, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH EPA'S NPDES REGULATIONS THE CONTRACTOR WILL BE RESPONSIBLE FOR SUBMITTING A NOTICE CONSTRUCTION. THE COST FOR THE SPECTRATE (48) HOURS PRIOR TO COMMENCING CONSTRUCTION. THE COST FOR THIS WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "MOBILIZATION/DEMOBILIZATION, LS."

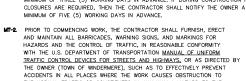
UTILITY LOCATIONS

- IL-1 THE LOCATION OF ALL EXISTING UTILITY SERVICES, FACILITIES, AND STRUCTURAL THE LOCATION OF ALL EXISTING UTILITISENVICES, FAULTIES, AND STRUCTORAL PEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENENCE OF THE CONTRACTOR. THE OWNER AND HIS REPRESENTATIVE DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE LOCATION INFORMATION PROVIDED. ANY INACCURACY OR OMISSION IN SUCH INFORMATION SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROTECT SUCH EXISTING FEATURES FROM DAMAGE OR UNSCHEDULED INTERRUPTION OF SERVICES. SHOULD A DISCREPANCY AMARGE OF UNSCHEDUCED WITCHOFTON OF SERVICES, SHOULD A DISAFETANC ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR WILL HALT CONSTRUCTION AND NOTIFY THE OWNER IMMEDIATELY.
- **U.-2** THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OF CRUSSING AN UNDERGROUND UNLITY, WHETHER SHOWN ON THESE FLANS OR FIELD LOCATED. UTLITIES WHICH INTERFERE WITH THE ROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTLITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THE UTLITY COMPANY DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVIENENCE BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT
- UL-& THE CONTRACTOR SHALL LOCATE AND VERIEY THE DEPTHS AND LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF WORK, PRIOR TO ORDERING ANY STRUCTURES.
- UL-4. PRIOR TO EXCAVATING IN THE VICINITY OF A GAS PIPELINE THE CONTRACTOR SHALL NOTEY THE GAS UTILITY OWNER IN ACCORDANCE WITH ENCONTRACTOR SHALL NOTEY THE GAS UTILITY OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA STATUTES, PROTECTION OF UNDERGROUND PIPELINES, F.S. 553.851, CH. 77-143.
- UL-8. THE CONTRACTOR SHALL USE THE SERVICES OF SUNSHINE-ONE CALL UTILITY LOCATOR A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK. (SUNSHINE-ONE CALL 1 (800) 432-4770)

MAINTENANCE OF TRAFFIC

- RP-1 THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE PROCEEDING WITH THE CONSTRUCTION WORK. THE CONTRACTOR SHALL SATISFY AND ADHERE TO ALL APPLICABLE REQUIREMENTS OR SPECIAL CONDITIONS LOCAL TRAFFIC IS CHANGED. THEN THE CONTRACTOR SHALL NOTIFY THE OWNER A STATED WITHIN SAID PERMITS REGARDING THE CONSTRUCTION WORK OR MAINTENANCE IMPROVEMENTS PRIOR TO ACCEPTANCE BY THE OWNER
- RP-2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA AND SCHEDULES, AND FOR SIGNING FOR SAID INSPECTIONS

REGULATORY & PERMITTING



PUBLIC.

		SIGN OFF CLIENT PM/CM BC PM/CM DM PM CM	DATE	FIELD: PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD DESIGNED BY: MBG CHECKED BY: MBG	3222 Corrine Drive, Suite H Orlando, Florida 32803 407/493-9983	TOWN OF WINDER PUBLIC WORKS DEPARTM 614 MAIN STREET, WINDERMERE, FLO
REV.	DATE DESCRIPTION APP'D B			DATE: NOVEMBER 2023	CERTIFICATE OF AUTUORIZATION NO. 20072	· · ·

REGULATORY & PERMITTING (CONTINUED)

HP-3. THE CONTRACTOR SHALL CONFORM AND ADHERE TO THE POLICIES ESTABLISHED BY THE OWNER (TOWN OF WINDERMERE) FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL

MT-L MAINTENANCE OF TRAFFIC: ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF DURING CONSTRUCTION ACCESS FOR MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE. IF DURING CONSTRUCTION ROAD

THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE

STORM WATER (DRAINAGE)

- SW-L ALL MANHOLES, INLETS, AND JUNCTION BOX STRUCTURES SHALL BE PRECAST AND IN ACCORDANCE WITH ASTM C-478 UNLESS OTHERWISE SPECIFIED.
- 8W-2. ALL MANHOLES, INLETS, AND JUNCTION BOX STRUCTURES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS, OR GRATES MEETING HS-20 LOADING REQUIREMENTS, UNLESS OTHERWISE SPECIFIED WITHIN THE PLANS.
- SW-3. ALL REINFORCED CONCRETE PIPE SHALL BE OF THE CLASS AND BEDDING SPECIFIED BY THE F.D.O.T., STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION (F.D.O.T. SECTION 430).
- SW-4. ALL PIPE JOINT CONNECTIONS SHALL BE WRAPPED WITH A FILTER FABRIC MATERIAL ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS (F.D.OT INDEX NO. 430-001).
- 8W-6. ALL EXISTING AND INSTALLED STORM SEWER LINES AND INLETS SHALL BE CLEANED ALL EXISTING AND INSTALLED STORM SEWER LINES AND INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT THE LAST STAGE OF CONSTRUCTION, THE COST OF WHICH SHALL BE INCIDENTAL TO THE PROJECT CONSTRUCTION, BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENDIREE ALL EXISTING DRAINAGE PROBLEMS OR DRAINAGE PROBLEMS THAT WILL BE CREATED BY THIS OPERATION.

MISCELLANEOUS NOTES

- MN-L ALL WORK AND MATERIALS FURNISHED SHALL BE IN REASONABLE CONFORMITY WITH THE LINES, GRADES, PROFILES, CROSS-SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS, AND TESTING REQUIREMENTS SPECIFIED IN THE CONTRACT, PLANS OR SPECIFICATIONS.
- IN-2 THE CONTRACTOR SHALL NOT EXCAVATE, REMOVE, OR OTHERWISE DISTURB ANY MATERIAL, STRUCTURE, OR PART OF A STRUCTURE WHICH IS LOCATED OUTSIDE THE LINES, GRADES, OR CONSTRUCTION LIMITS ESTABLISHED FOR THIS PROJECT. EXCEPT WHERE SUCH EXCAVATION, REMOVAL, OR DISTURBANCE IS PROVIDED FOR IN THE CONTRACT, PLANS, OR SPECIFICATIONS.
- MN-3. THE CONTRACTOR SHALL EXAMINE THE SITE FOR ALL CONDITIONS WHICH MAY AFFECT HIS WORK. THE CONTRACTOR SHALL BALL BE RESPONSIBLE FOR ALL DISCOVERY, LOCATION AND IDENTIFICATION OF EXISTING UTILITIES, DRAINAGE SYSTEMS OR PHYSICAL STRUCTURES WITHIN THE LIMITS OF WORK. THE OWNER, HIS ENGINEER, AND ENGINEER'S CONSULTANT ASSUME NO RESPONSIBILITY FOR SUBSURFACE CONDITIONS OR FOR THE CONTRACTOR'S FAILURE TO IDENTIFY, LOCATE, AND PROTECT EXISTING FACILITIES ABOVE AND BELOW THE GROUND
- MN-4. THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL FROM THE SITE AN DISPOSE OF IT IN AN APPROVED MANNER. BURNING ON SITE WILL NOT BE ALLOWED.
- MN-5. THE CONTRACTOR SHALL CLEARLY MARK LIMITS OF WORK PRIOR TO CLEARING TO PROTECT ADJACENT AREAS FROM CONSTRUCTION ACTIVITIES.
- MA-6. AS-BUILT DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED CONTROL OWNER (TOWN OF WINDERMERE) UPON PROJECT COMPLETION, PRIOR TO FINAL CERTIFICATION OF SUBSTANTIAL COMPLETION BY THE ENGINEER. THESE AS-BUILT DRAWINGS SHALL COMPLY WITH THE FLORIDA ADMINISTRATIVE CODE (F.A.C.) FOR SURVEYORS
- M+7. THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING, AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITES, OR TO MINIMIZE TRENCH WOTH AS REQUIRED. SHEETING AND SHORING TO BE DESIGNED BY A STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR.
- MN-8. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCING CONSTRUCTION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS, COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO
- MN-9. APPARENT ERRORS, DISCREPANCIES OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGH TO THE ENGINEER'S ATTENTION BEFORE BIDDING. NO EXTRA PAYMENT WILL BE ALLOWED FOR ANY WORK REQUIRED DUE TO MISUNDERSTANDING OF JOB OR SITE CONDITIONS FOR ANY WORK REQUIRED DUE TO MISUNDERSTANDING OF JOB OR SITE CONDITIONS AFFECTING THE WORK DESCRIEDED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE DRAWINGS OR SPECIFICATIONS, AND THE ENGINEER SHALL BE PERMITTED TO MAKE CORRECTIONS AND INTERPRETATIONS AS MAY BE DEEMED NECESSARY FOR FULFILLENT. OF THE INTENT OF THE CONTRACT DOCUMENTS. THE TENDERING OF A PROPOSAL WILL ACKNOWLEDGE ACCEPTANCE OF THESE CONDITIONS BY THE BIDDER.
- MN-10 AT THE END OF EACH WORK DAY THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE CONSTRUCTION AREA FOR PUBLIC SAFETY

UTILITY CONTACTS

CENTURY LINK

EVINS CENAFILS, WNGR ACCESS ENGINEER PHONE: (407) 814–5373 E-MAIL: evns.m.cenafils@centurylink.com CHRIS TIGHE PHONE: (321) 439-2048 E-MAIL: richard.c.tighe@centurylink.com LAKE APOPKA NATURAL GAS JANICE SKIPPER PHONE: (407) 656–2734, EXT. 109 E-MAIL: jskipper@langd.org SPECTRUM FRANKIE MUNIZ PHONE: (321) 436-1013 E-MAIL: francisco.munizlopez@charter.com DEBBIE DOLAN PHONE: (813) 302-0705 PHONE: (813) 501-2046 M DUKE ENERGY STEPHANIE PATTERSON

PHONE: (407) 773-3880 E-MAIL: stephanie.patterson@duke-energy.com

	JOB No. TOW-052.01.000				
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ORIDA 34786	SCALE: NONE				
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NO.		SUMMARY OF PAY ITEMS	1		
	PAY ITEM NO.	DESCRIPTION	UNIT	QUANTI PLAN	TY TOTAL FINAL
		ROADWAY AND DRAINAGE IMPROVEMENTS PAY ITEMS			
1.	101-1	MOBILIZATION AND DEMOBILIZATION	LS	1	
2.	101-2	SURVEY, CONSTRUCTION LAYOUT AND CERTIFIED AS-BUILT	LS	1	
3.	102-1	MAINTENANCE OF TRAFFIC	LS	1	
4.	104-14	PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION	LS	1	
5.	110-1-1	CLEARING AND GRUBBING	LS	1	
6.	110-7-1	MAILBOX, F&I, SINGLE	EA	46	
7. °	120-9	EXCAVATION, EMBANKMENT AND GRADING TYPE B STABILIZATION (12")(MIN LBR 40)	LS SY	1	
8. 9.	205-704	GRADED CRUSHED CONCRETE AGGREGATE BASE COURSE (8")	SY	12,646 12,646	
9. 10.	327-70-6	MILLING EXISTING ASPHALT PAVEMENT, 1–1/2" AVG DEPTH	SY	1,440	
11.	334-1-13	TYPE SP 9.5 ASPHALT CONCRETE FRICTION COURSE $(1-1/2'')(165 \text{ LB PER SY})(\text{TRAFFIC LEVEL C})$	TN	817	
12.	400-15	CONCRETE, CLASS NS, MISCELLANEOUS	CY	10	
13.	425-1-351	INLETS CURB, TYPE P-5, <10'	EA	14	
14.	425-1-451	INLETS CURB, TYPE J-5, <10'	EA	1	
15.	425-1-521	INLETS, DITCH BOTTOM, TYPE C, <10'	EA	11	
16.	425-1-541	INLETS, DITCH BOTTOM, TYPE D, <10'	EA	1	
17.	425-1-549	INLETS, DITCH BOTTOM, TYPE D, MODIFY	EA	1	
18.	425-1-711	INLETS, GUTTER TYPE V, <10'	EA	12	
19.	425-2-4	MANHOLE, P-7, <10'	EA	2	
20.	430-175-118	PIPE CULVERT, CONCRETE, CLASS III, ROUND, 18"	LF	893	
21.	430-175-124	PIPE CULVERT, CONCRETE, CLASS III, ROUND, 24"	LF	47	
22.	430-94-1	DESILT PIPE (0 TO 24")	LF	1,766	
23.	432-4	STORM SEWER VIDEO	LS	1	
24.	443-70-4	FRENCH DRAIN (24" SLOTTED RCP)(COMPLETE)	LF	873	
25.	520-1-7	CONCRETE CURB AND GUTTER, TYPE E	LF	123	
26.	520-1-10	CONCRETE CURB AND GUTTER, TYPE F	LF	126	
27.	520-1-13	CONCRETE CURB AND GUTTER, TYPE DROP	LF	6,888	
28.	520-2-4	CONCRETE CURB, TYPE D	LF	44	
29.	520-2-6	CONCRETE CURB (12"X12" RIBBON CURB)	LF	916	
30.	520-3	VALLEY GUTTER, CONCRETE	LF	391	
31.	522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	64	
32.	522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	1,044	
33.	522-3	BRICK PAVER DRIVEWAY	SY	232	
34.	522-4	CURB, RAMP, ADA, 6" THICK CONCRETE	SY	16	
35.	522-6	SPEED HUMP (COMPLETE WITH THERMOPLASTIC MARKINGS)	EA	7	
36.	527-2	DETECTABLE WARNINGS	SF	66	
37.	570-1-2	PERFORMANCE TURF (SOD)(MATCH EXISTING)	SY	8,265	
38.	580-9-11	REMOVE EXISTING TREE, INCLUDING STUMP, 8"-24" DIAMETER	EA	4	
39.	700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF SINGLE POST SIGN, RELOCATE	AS	22	
40.	700-1-50 706-3		AS	5	
41. 42.	711-11-123	RETRO-REFLECTIVE PAVEMENT MARKERS THERMOPLASTIC, STANDARD WHITE, SOLID, 12"	EA LF	5 49	
42. 43.	711-11-125	THERMOPLASTIC, STANDARD WHITE, SOLID, 12 THERMOPLASTIC, STANDARD WHITE, SOLID, 24"		148	
43.	711-11-125	OCU WATER MAIN IMPROVEMENTS PAY ITEMS		140	
44.	1050-11-221	F&I WATER MAIN, 4" RESTRAINED JOINT, COMPLETE INCLUDING FITTING	LF	440	
45.	1050-16-423	F&I WATER MAIN, 4 RESTRAINED JOINT, COMPLETE INCLUDING FITTING	LF	2,341	
	1050-16-221	REMOVE AND DISPOSE OF EXISTING 4" WATER MAIN	LF	368	
40.			LF	1,859	
	1050-16-222	REMOVE AND DISPOSE OF EXISTING 6" WATER MAIN			_
47.	1050-16-222 1050-16-223	REMOVE AND DISPOSE OF EXISTING 6" WATER MAIN REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN	LF	466	
47. 48.		REMOVE AND DISPOSE OF EXISTING 6" WATER MAIN REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE			
47. 48. 49.	1050-16-223	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN	LF	466	
47. 48. 49. 50.	1050-16-223 1051-4	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE	LF EA	466	
47. 48. 49. 50. 51.	1050-16-223 1051-4 1051-5	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE	LF EA EA EA EA	466 22 19 2 3	
47. 48. 49. 50. 51. 52. 53.	1050-16-223 1051-4 1051-5 1080-24-104	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE F&I GATE VALVE ASSEMBLY, 4" COMPLETE	LF EA EA EA	466 22 19 2	
47. 48. 50. 51. 52. 53. 54.	1050-16-223 1051-4 1051-5 1080-24-104 1080-24-106	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE F&I GATE VALVE ASSEMBLY, 4" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE	LF EA EA EA EA	466 22 19 2 3	
47. 48. 49. 50. 51. 52. 53. 54. 55.	1050-16-223 1051-4 1051-5 1080-24-104 1080-24-106 1080-24-108	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE F&I GATE VALVE ASSEMBLY, 4" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, COMPLETE F&I GATE VALVE ASSEMBLY, COMPLETE (PERMANENT) F&I 8" BLOWOFF ASSEMBLY, COMPLETE (TEMPORARY)	LF EA EA EA EA EA EA EA	466 22 19 2 3 38 1 9	
47. 48. 50. 51. 52. 53. 54. 55. 56.	1050-16-223 1051-4 1051-5 1080-24-104 1080-24-106 1080-24-108 1080-25-104	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE F&I GATE VALVE ASSEMBLY, 4" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, COMPLETE (PERMANENT) F&I 8" BLOWOFF ASSEMBLY, COMPLETE (TEMPORARY) BLOWOFF ASSEMBLY, REMOVE	LF EA EA EA EA EA EA EA EA	466 22 19 2 3 38 1 9 1	
47. 48. 50. 51. 52. 53. 54. 55. 56. 57.	1050-16-223 1051-4 1051-5 1080-24-104 1080-24-106 1080-24-108 1080-25-104 1080-25-108 1080-25-600 1080-26-108	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE REPLACE 1" WATER SERVICE LATERAL, LONG SIDE F&I GATE VALVE ASSEMBLY, 4" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 6" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, 8" COMPLETE F&I GATE VALVE ASSEMBLY, COMPLETE (PERMANENT) F&I 8" BLOWOFF ASSEMBLY, COMPLETE (TEMPORARY) BLOWOFF ASSEMBLY, REMOVE F&I AIR RELEASE VALVE ASSEMBLY, 8" COMPLETE	LF EA EA EA EA EA EA EA EA EA	466 22 19 2 3 38 1 9 1 3	
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PAY ITEM NOTES

101–1	THIS PAY ITEM INCLUDES THE COST OF ALL LABOR AND ITEMS FOR MOBILIZATIO LIMITED TO OPERATIONS NECESSARY FOR THE MOVEMENT OF PERSONNEL, EQUIP ESTABLISHMENT OF SAFETY EQUIPMENT, TO MAINTAIN A DRY WORK ZONE, SANTI INCLUDES THE COST OF SUBMITTAL OF A DEWATERING PLAN AND SHEETING AND THESE PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL. ENGINEER RE SHORING PLAN SUBMITTALS MUST INCLUDE THE DETERMINATION OF THE ZONE O PROPERTIES. THE DEWATERING PLAN SHALL ALSO COMPLY WITH CHAPTER 40C- AND COMPLIANCE FORMS (IF APPLICABLE). CONTRACTOR SHALL ALSO PROVIDE RESIDENTS THAT COULD POTENTIALLY BE IMPACTED BY THE TEMPORARY SHEETIN
102–1	INCLUDES ALL ITEMS OF MAINTENANCE OF TRAFFIC INCLUDING BUT NOT LIMITED THE CONTRACTOR AND APPROVAL OF THE REVISED PLANS BY THE TOWN OF Y REMOVAL OF EXISTING AND TEMPORARY STRIPING BY HYDRO BLASTING, SIGNING, ACCORDANCE WITH THE MUTCD (LATEST EDITION) AND THE FDOT ROADWAY AND INCLUDE COORDINATION WITH ACCOMMODATING VEHICULAR AND PEDESTRIAN ING ATTENTION IS DIRCTED TO THE 102–600 SERIES INDEX NUMBERS (CENERAL INY THE MAINTENANCE OF TRAFFIC PLAN TO BE PREPARED BY THE CONTRACTOR C ENGINEER LICENSED IN THE STATE OF FLORIDA. PAY ITEM ALSO INCLUDES ALL C PROJECT VICINITY. CONTRACTOR SHALL ANTICIPATE SOME MODIFICATIONS TO THE PROJECT VICINITY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
104–14	THIS PAY ITEM INCLUDES THE COST OF ALL LABOR AND ITEMS REQUIRED FOR T TURBIDITY BARRIERS, SILT FENCES, CURB INLET SEDIMENT BARRIERS AND TEMPO IT SHOULD BE NOTED THAT THIS PAY ITEM IS NOT IN THE FDOT MASTER PAY IT
110–1–1	INCLUDES BUT IS NOT LIMITED TO THE COST FOR THE REMOVAL AND DISPOSAL BRICK WALLS; VARIOUS TYPES OF FENCES; ASPHALT AND BRICK PAVEMENT; RC SHRUBS; AND THE DISPOSAL OF ALL TREE AND SHRUB DEBRIS AS REQUIRED T THE SAW CUTTING OF EXISTING PAVEMENT AND CONCRETE. IN ADDITION, THIS P EXISTING CURB AND GUTTER AND EXISTING CONCRETE SIDEWALK WITHIN THE LIM
425–	THIS PAY ITEM INCLUDES THE FURNISHING OF ALL MATERIALS AND LABOR TO C BACKFILLING AROUND THE STRUCTURES, THE REMOVAL AND DISPOSAL OF SURPI COVERS, SPECIALTY APPURTENANCES, AND ANY OTHER NECESSARY FITTINGS FO (RETICULINE) PER INDEX NO. 425-041 AND 425-052 FDOT STANDARD PLANS (// INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INLET OR MANHOLE.
430–175–	THIS PAY ITEM INCLUDES THE FURNISHING OF ALL MATERIALS AND LABOR TO C (EXCEPT THE VOLUME INCLUDED IN THE MEASUREMENT DESIGNATED TO BE PAID COMPACTION: DISPOSAL OF SUPPLIES MATERIAL; JOINT MATERIAL AND ALL JOIN' ITEMS FOR "PIPE CULVERT, CONCRETE, CLASS III, ROUND/HORIZONTAL ELLIPTICA
443-70-4	THE CONTRACT UNIT PRICE FOR FRENCH DRAINS, LF, SHALL INCLUDE THE COST AND FILTER FABRIC, IN PLACE, AND THE COST FOR TRENCH EXCAVATION, BACK THE DISPOSAL OF SUPPLUS EXCAVATED MATERIAL AND THE COST OF RESTORAT FRENCH DRAIN, BUT SHALL NOT INCLUDE PAYMENTS FOR ITEM PAID FOR ELSEW
	FRENCH DRAINS WITH A SIGNIFICANTLY DIFFERENT CROSS-SECTION SHALL BE PA
	1. SLOTTED OR PERFORATED PIPE CULVERT, LF. UNIT PRICE SHALL INCLUDE
	 BALLAST ROCK (FRENCH DRAIN AGGREGATE), CY. UNIT PRICE SHALL INCLUE EXCAVATION, BACKFILL AND COMPACTION. THE UNIT PRICE SHALL ALSO IN THE COST FOR THE RESTORATION OF ANY PAVEMENT REMOVED OR DAMAG INCLUDE PAYMENT FOR ITEMS PAID FOR ELSEWHERE.
	 PLASTIC FILTER FABRIC (SUBSURFACE), SY. UNIT PRICE SHALL BE FOR TH BE DETERMINED BY PLAN NEAT DIMENSIONS OF THE FILTER FABRIC.
	FOR SUPPLEMENTAL DETAILS, SEE FDOT INDEX NO. 443-001 (LATEST STANDARD
520-2-4	THIS PAY ITEM INCLUDES THE FURNISHING OF ALL MATERIALS AND LABOR TO C BACKFILLING MATERIAL AND COMPACTION. NOT AN FDOT PAY ITEM.
520-2-6	THIS PAY ITEM INCLUDES THE FURNISHING OF ALL MATERIALS AND LABOR TO C PLACING AND REMOVAL OF FORMS, AND FINISHING AND TEXTURING OF THE RIBE
570-1-2	THE UNIT PRICE (SY) FOR PERFORMANCE TURF SHALL INCLUDE ALL WORK AND REQUIRED TO MAINTAIN THE SODDED AREAS UNTIL FINAL ACCEPTANCE OF THE I
522-4	INCLUDES DETECTABLE WARNING SURFACES. NOT AN FDOT PAY ITEM.
REFER TO SHE	EET 62 FOR ORANGE COUNTY UTILITIES PAY ITEM NOTES (PAY ITEMS 1050- TO 1

CONSULTANTS, LLC н 407/493-9983 TION NO. 29032

I MICHAEL GALURA

ENGINEERING



ION AND DEMOBILIZATION AS WELL AS DEWATERING, THIS INCLUDES BUT IS NOT IPMENT, SUPPLIES AND INCIDENTALS TO THE PROJECT AND FOR THE IITARY AND OTHER FACILITIES NECESSARY TO COMPLETE THE WORK. THIS NO SHORING PLAN TO THE ENGINEER AND THE TOWN OF WINDERMERE FOR REVIEW. REGISTERED IN THE STATE OF FLORIDA. THE DEWATERING AND SHEETING AND OF INFLUENCE AND DEMONSTRATE NO ADVERSE IMPACTS TO ADJACENT -2, F.A.C. AND THE SFWID REGULATIONS FOR CONSUMPTIVE USE PERMITS (CUP) A DEPLOSITE/ICTON UNDER AND DEPORT OF WRITTEN NORSTE/ICTON OF THE A PRE-CONSTRUCTION VIDEO AND PROOF OF WRITTEN NOTFICATION OF THE ING AND SHORING AND THE COST SHALL BE INCLUDED IN THIS PAY ITEM.

D TO THE DESIGN OF THE REVISIONS TO THE MAINTENANCE OF TRAFFIC PLAN BY WINDERMERE. ALSO INCLUDES ALL TEMPORARY AND PERMANENT STRIPING, G, FLAGGERS, ETC., REQUIRED TO MAINTAIN TRAFFIC DURING CONSTRUCTION IN D DESIGN STANDARDS (LATEST EDITION). IN ADDITION, THIS PAY ITEM SHALL GRESS AND EORESS TRAFFIC FOR THE RESIDENTS ALONG WEST SECOND AVENUE. *VFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES*). ANY REVISIONS TO OR HIS/HER DESIGNEE SHALL BE SIGNED AND SEALED BY A PROFESSIONAL COORDINATION NEEDED TO ACCOMMODATE ALL CONSTRUCTION ACTIVITY IN THE HE M.O.T. THAT MAY BE NEEDED AS PART OF THE COORDINATION ALONG THE

THE EROSION CONTROL INCLUDING BUT NOT BE LIMITED TO SYNTHETIC BALES, ORARY GRASSING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. ITEM LIST (LATEST EDITION).

L OF CONCRETE CURBS: DRIVEWAYS; STRUCTURES; PIPES; LANDSCAPE WALLS; ROADWAY BASE REMOVAL; INCIDENTAL EXCAVATION AND GRADING; TREES AND TO CONSTRUCT THE PROJECT. THIS PAY ITEM ALSO INCLUDES THE COST FOR PAY ITEM INCLUDES THE REMOVAL AND DISPOSAL OF EXISTING PAVEMENT, IMITS OF CONSTRUCTION.

COMPLETE THE WORK SHOWN IN THE PLANS, INCLUDING ALL EXCAVATION, ALL PLUS MATERIALS, AND THE FURNISHING AND PLACING OF ALL GRATINGS, FRAMES, OR THE DRAINAGE STRUCTURES. ALL INLET GRATES SHALL BE STEEL GRATES (CURRENT FY). THE COST OF SUMP BOTTOM AND WEEP HOLE ARE TO BE

COMPLETE THE WORK AS SHOWN IN THE PLANS, INCLUDING ALL EXCAVATION D FOR UNDER THE ITEMS FOR GRADING WORK); ALL BACKFILLING MATERIAL AND IT WRAPPING WITH FILTER FABRIC. IT SHOULD BE NOTED THAT THE SPECIFIC PAY AL" IS NOT IN THE FDOT MASTER PAY ITEM LIST (LATEST EDITION).

OF THE SLOTTED PIE, NON-SLOTTED PIPE, PIPE FITTING, COARSE AGGREGATE FILL AND COMPACTION. THE UNIT PRICE SHALL ALSO INCLUDE THE COST FOR TION OF ANY PAVEMENT REMOVED OR DAMAGED BY THE CONSTRUCTION OF THE HERE IN THIS CONTRACT.

PAID FOR UNDER THE CONTRACT UNIT PRICES FOR SEPARATE ITEMS AS FOLLOWS: THE COST FOR PIPE PLUGS AND FITTINGS IN PLACE.

LUDE THE COST FOR COARSE AGGREGATE, IN PLACE, AND COST FOR TRENCH INCLUDE THE COST FOR THE DISPOSAL OF SURPLUS EXCAVATED MATERIALS AND GED BY THE CONSTRUCTION OF THE FRENCH DRAIN SYSTEM, BUT SHALL NOT

THE COST OF INSTALLATION OF THE FILTER FABRIC, IN PLACE. QUANTITY SHALL

D PLANS FY)

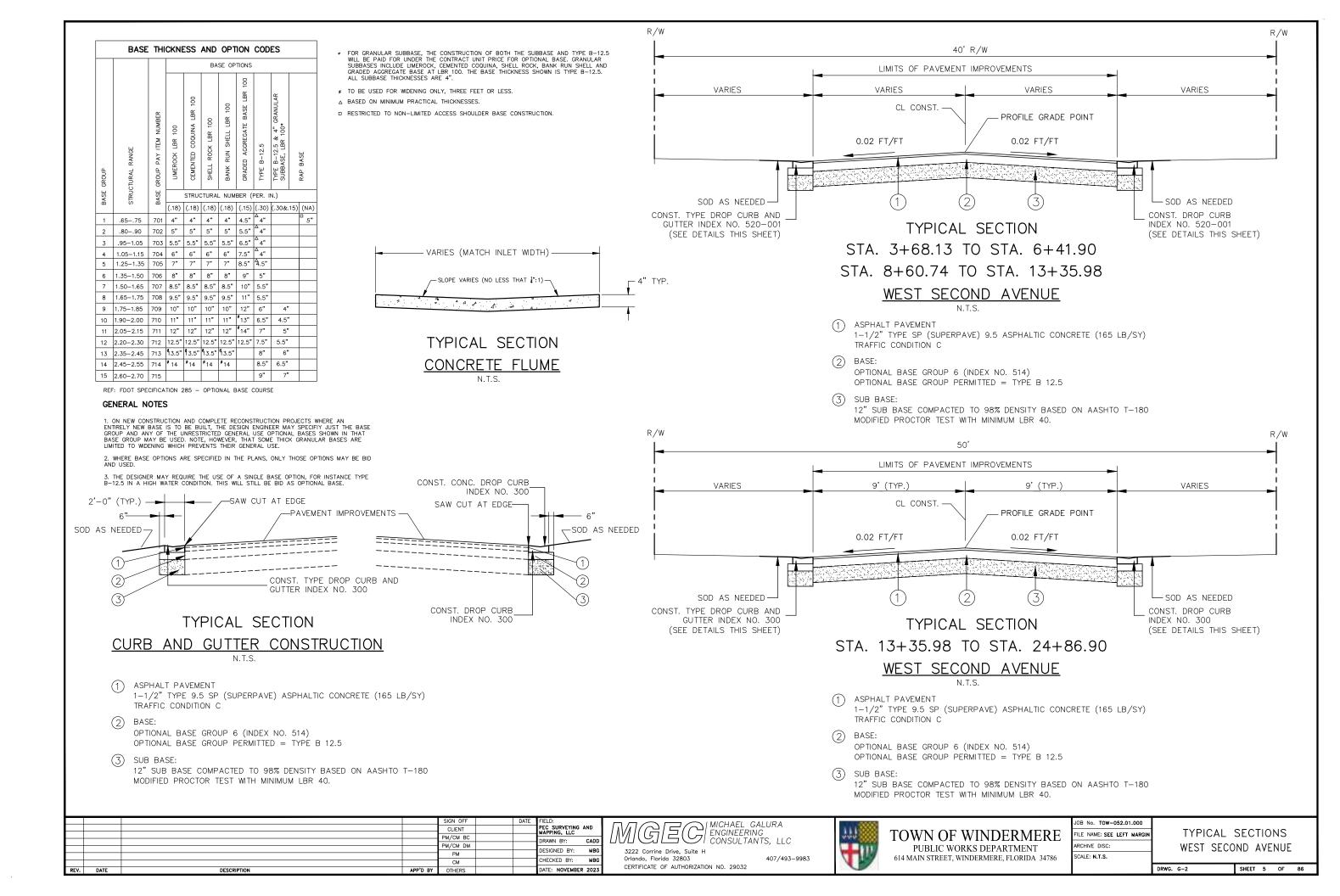
COMPLETE THE WORK AS SHOWN IN THE PLANS, INCLUDING ALL EXCAVATION; ALL

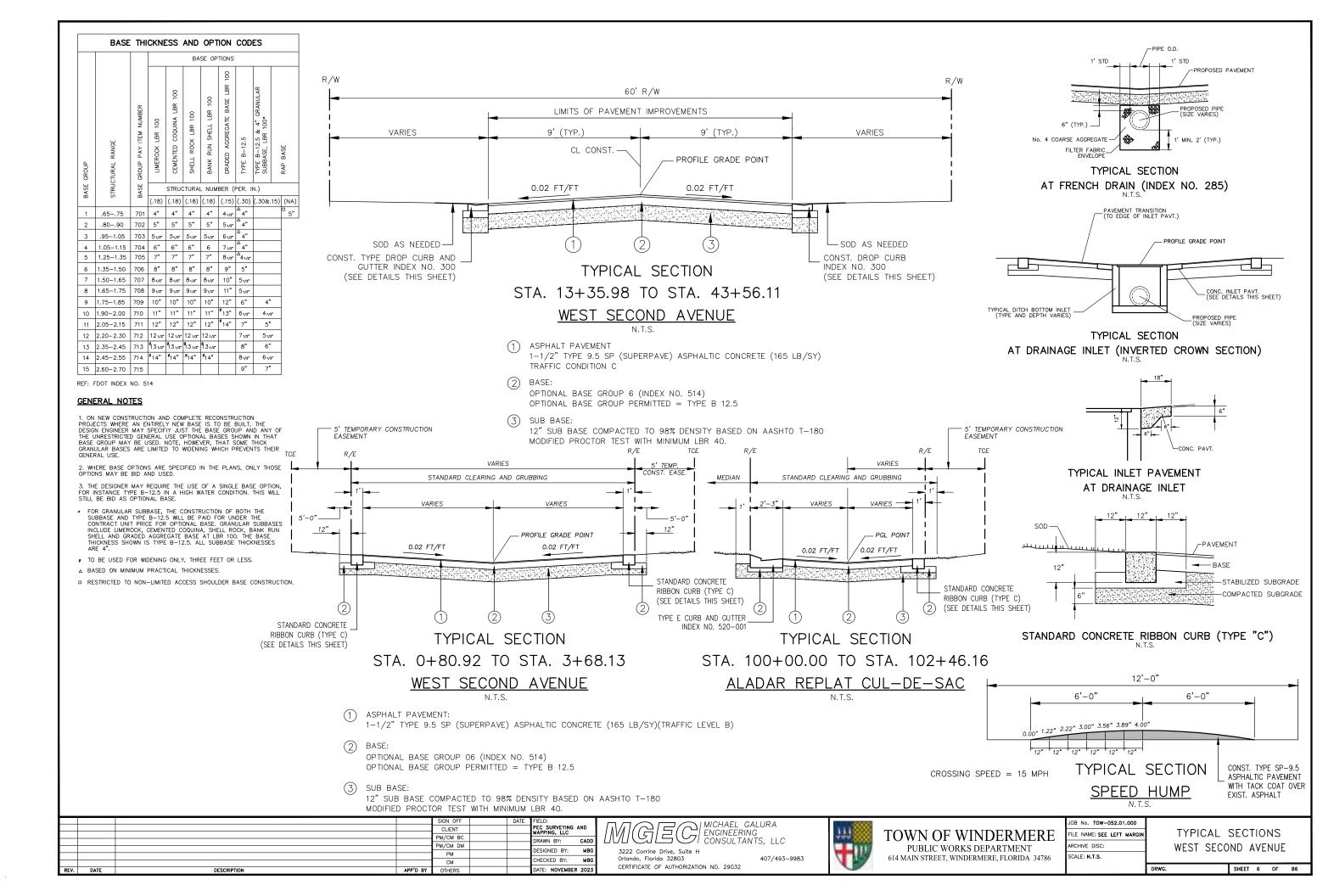
COMPLETE THE WORK AS SHOWN IN THE PLANS, INCLUDING ALL EXCAVATION, BON CURB. NOT AN FDOT PAY ITEM.

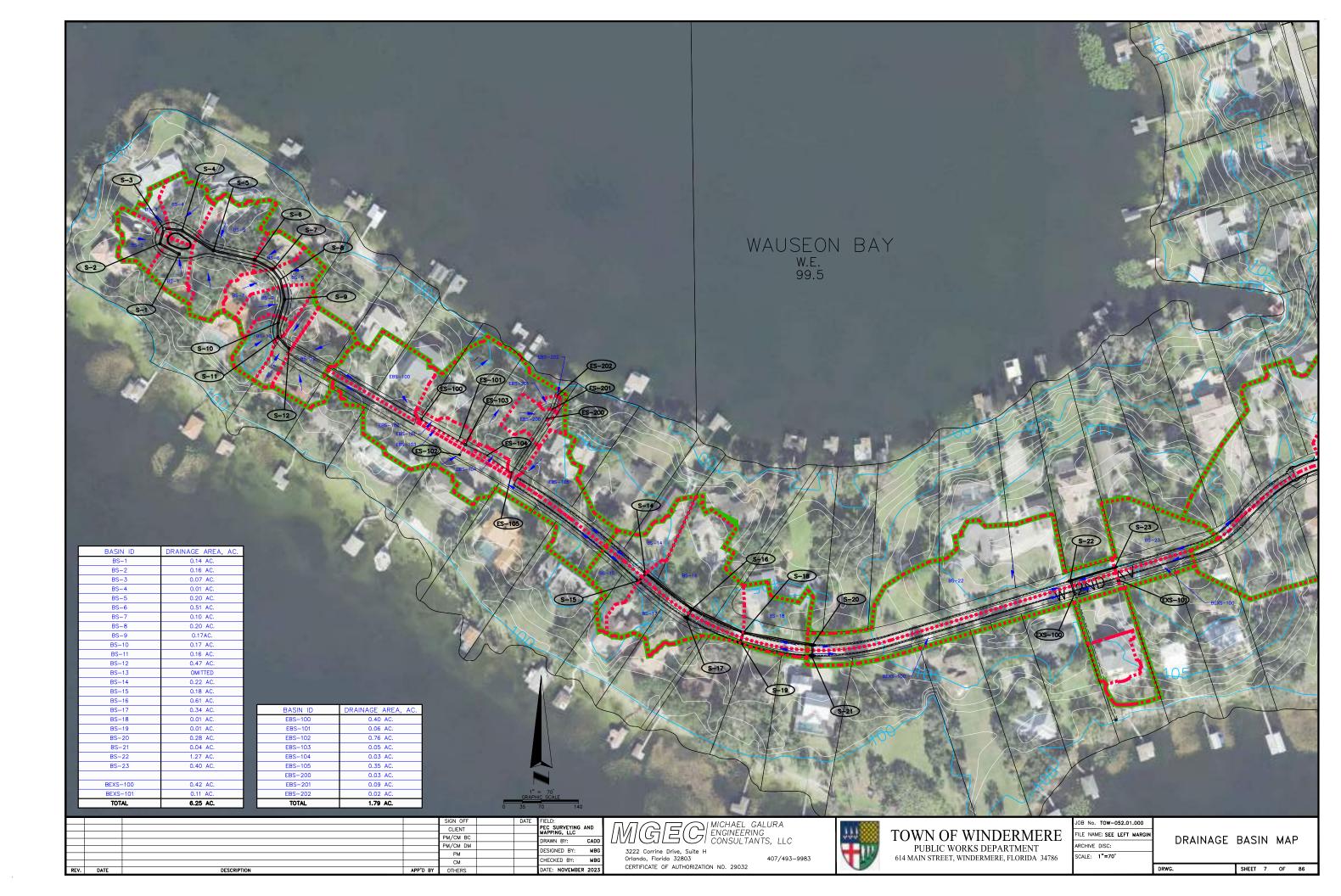
MATERIALS FOR THE APPLICATION OF SOD, FERTILIZER, MOWING AND WATERING PROJECT BY THE TOWN OF WINDERMERE.

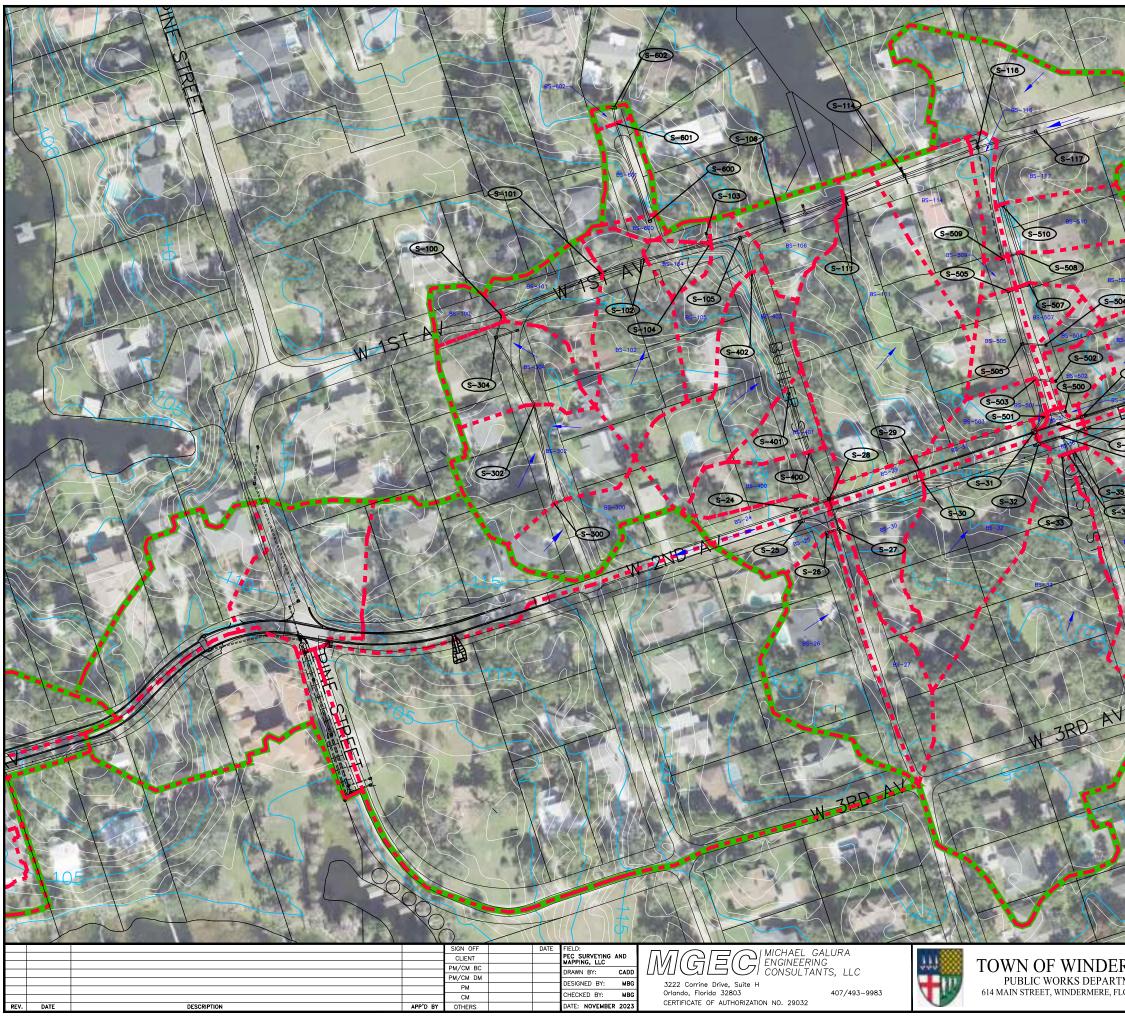
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			BS-104	0.15 AC.
M			BS-105 BS-106	0.45 AC.
			BS-111	2.05 AC.
11/15			BS-114 BS-116	0.14 AC. 0.69AC.
15			BS-116 BS-117	0.69AC.
EX US-			BS-300	0.53 AC.
	BASIN ID BS-24	DRAINAGE AREA, AC. 0.15 AC.	BS-302 BS-304	0.94 AC. 0.64 AC.
	BS-25	0.25 AC. 7	BS-400	0.39 AC.
7 MIL	BS-26 BS-27	1.05 AC. 0.43 AC.	BS-401 BS-402	0.25 AC.
	BS-27 BS-28	0.45 AC.	BS-500	0.97 AC.
VII	BS-29	0.10 AC.	BS-501	0.01 AC.
	BS-30 BS-31	0.45 AC. 0.14 AC.	BS-502 BS-503	0.19 AC. 0.23 AC.
	BS-32	1.17 AC.	BS-504	0.17 AC.
	BS-33 BS-35	3.50 AC. 0.88 AC.	BS-505 BS-507	0.38 AC. 0.14 AC.
	BS-35 BS-36	0.04 AC.	BS-507 BS-508	0.51 AC.
	BS-37	0.06 AC.	BS-509	0.06 AC.
	BS-38 BS-39	0.35 AC. 0.62 AC.	BS-510 BS-600	0.41 AC.
	BS-40	0.38 AC.	BS-601	0.25 AC.
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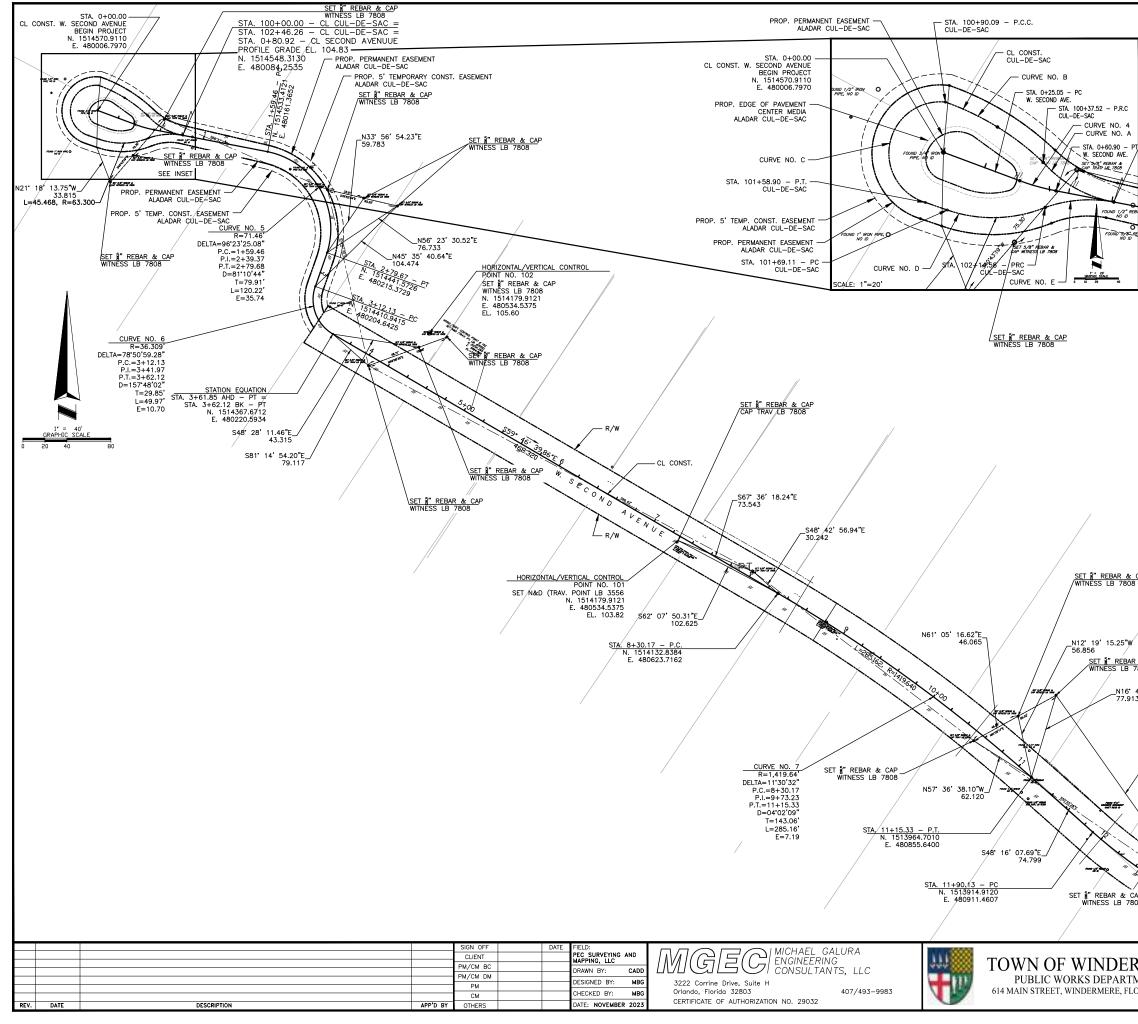




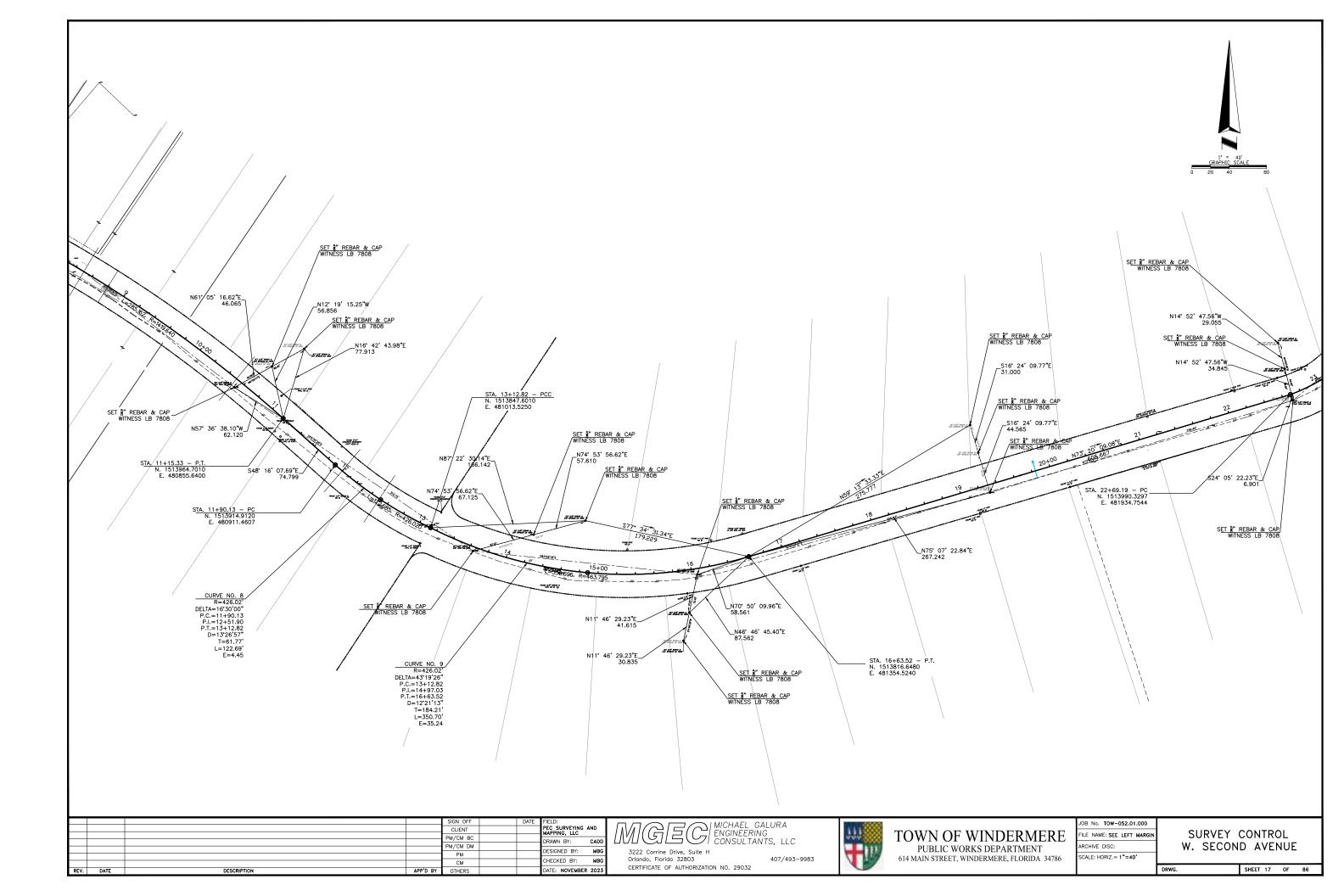


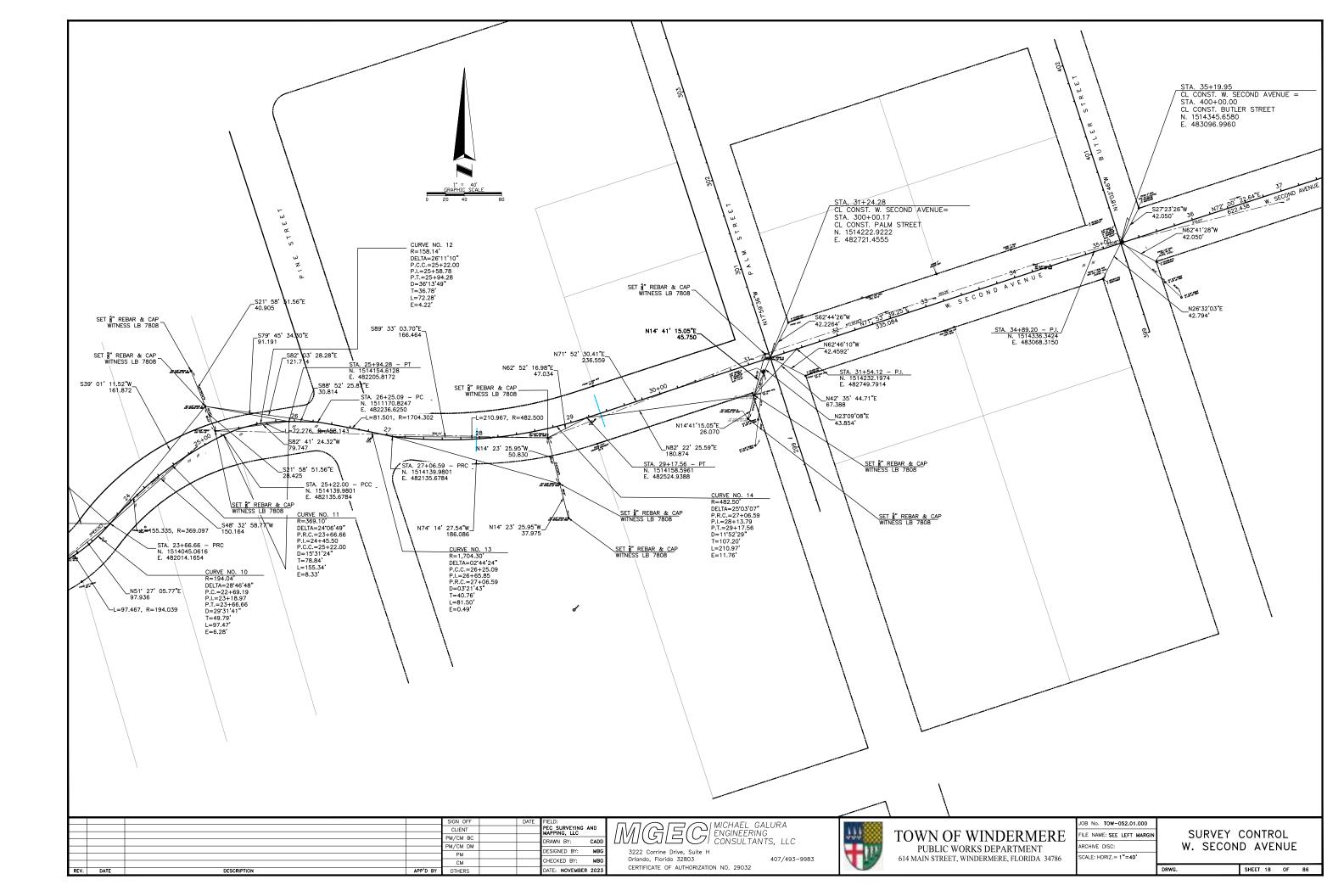


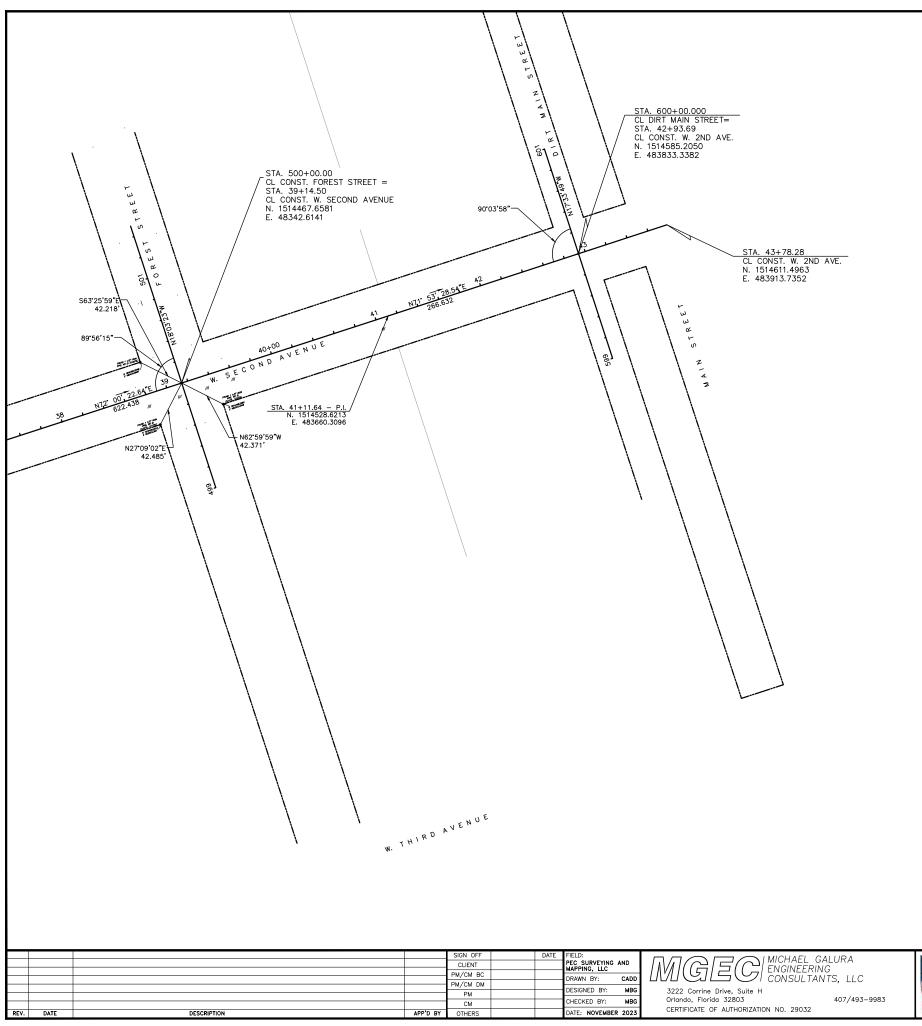




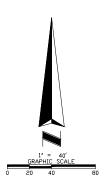
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SET §" REBAR WITNESS LB 78	CURVE NO. 1-3 (NOT USED) & CAP 08	CURVE NO. 4 R=25.50' DELTA=26552'20" P.R.C.=100+13.24 P.R.C.=101+58.98 D=224'4'122" T=27.41' E=62.93	
9 0 0 0	CURVE NO. A R=56.16' DELTA=38'16'54" P.C.=100+00.00 P.I.=100+19.49 P.R.C.=100+37.52 D=102'01'37" T=19.49' L=37.52' E=3.29	CURVE NO. B R=125.372' DELTA=24'01'33.24" P.R.C.=100+37.52 P.L.=100+54.20 P.C.C.=100+90.09 D=45'42'02" T=26.68' L=52.57' E=2.81	CURVE NO. C R=68.90' DELTA=168'55'16" P.C.C.=100+90.09 P.I.=103+31.06 P.T.=101+58.90 D=245'10'05" T=240.97' L=68.901' E=218.73
	CURVE NO. D R=63.30' DELTA=41'09'20.16 P.C.=101+69'.11 P.I.=101+92.67 P.R.C.=102+14.58 D=90'3053' T=23.76' L=45.47' E=4.31	$\begin{array}{c} \text{CURVE NO. E} \\ \text{R}=31.68' \\ \text{D}\text{ELTA}=29'58'22'' \\ \text{P.R.C}=102+14.58 \\ \text{P.I.}=102+30.79 \\ \text{P.I.}=102+46.26 \\ \text{D}=94'37'32'' \\ \text{T}=16.21' \\ \text{L}=31.68' \\ \text{E}=2.13 \end{array}$	
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6' 42' 43.98"E .913 S35' 14' 234.760	N. 151 E. 481	3+12.82 - PCC 3847.6010 013.5250	CURVE NO. 9 R=426.02' DELTA=43'19'26" P.C.=13+12.82 P.I.=16+63.52 D=12'21'13" T=184.21' L=350.70' E=35.24
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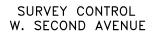






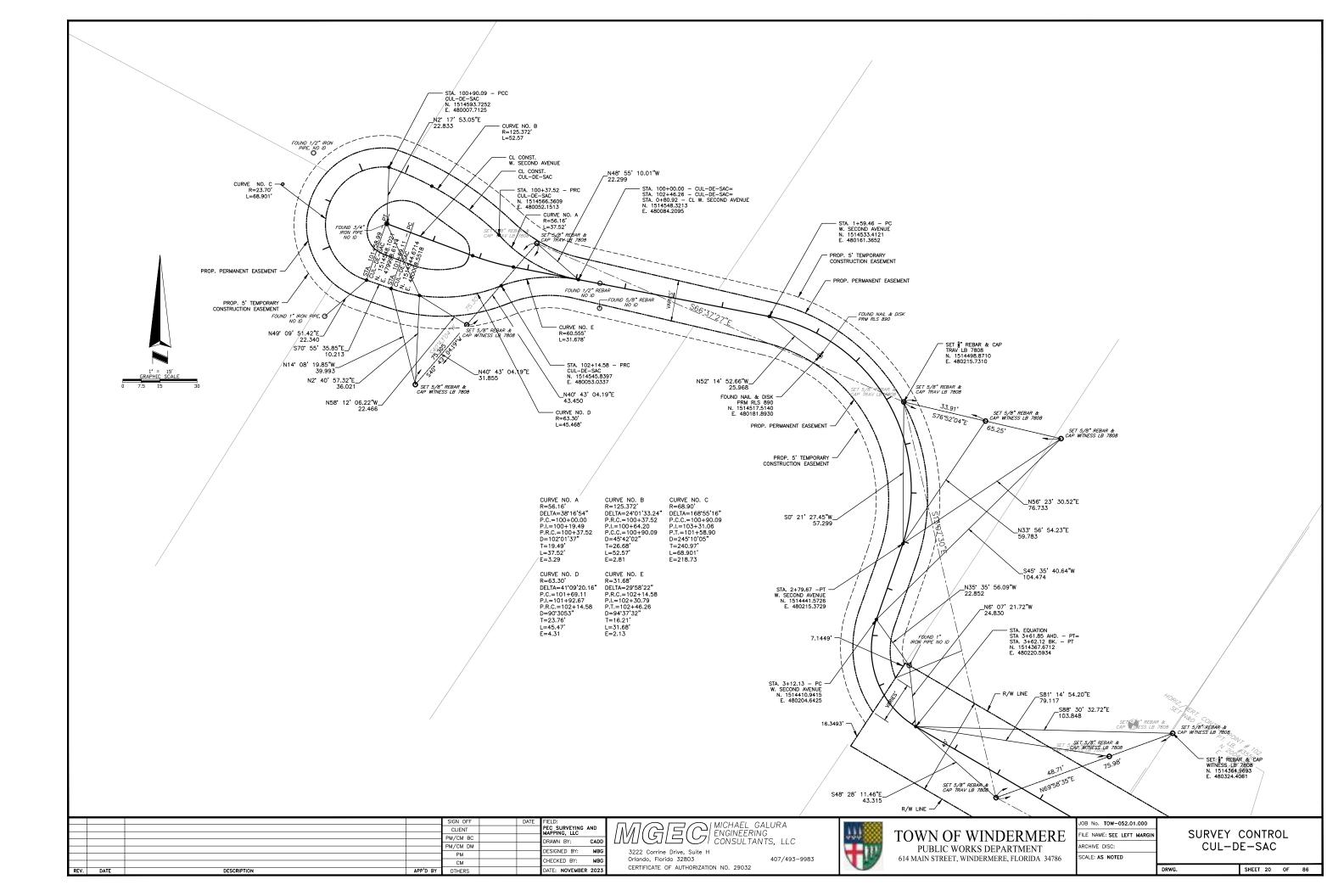


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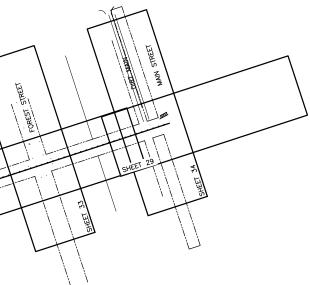
DRWG.

SHEET 19 OF 86



						HEET 27		
XEV. DATE	DESCRIPTION	APF	SIGN OFF D/ CLIENT PM/CM BC PM/CM DM PM PM CM PM CM PM CM CM CTHERS	TE FIELD: PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD DESIGNED BY: MBG CHECKED BY: MBG DATE: NOVEMBER 2023	MICHAEL GA ENGINEERING 3222 Corrine Drive, Suite H Orlando, Florido 32803 CERTIFICATE OF AUTHORIZATION NO. 29032	LURA STS, LLC 407/493–9983	TOWN OF W PUBLIC WORI 614 MAIN STREET, WIN	VINDER KS DEPARTM IDERMERE, FLO





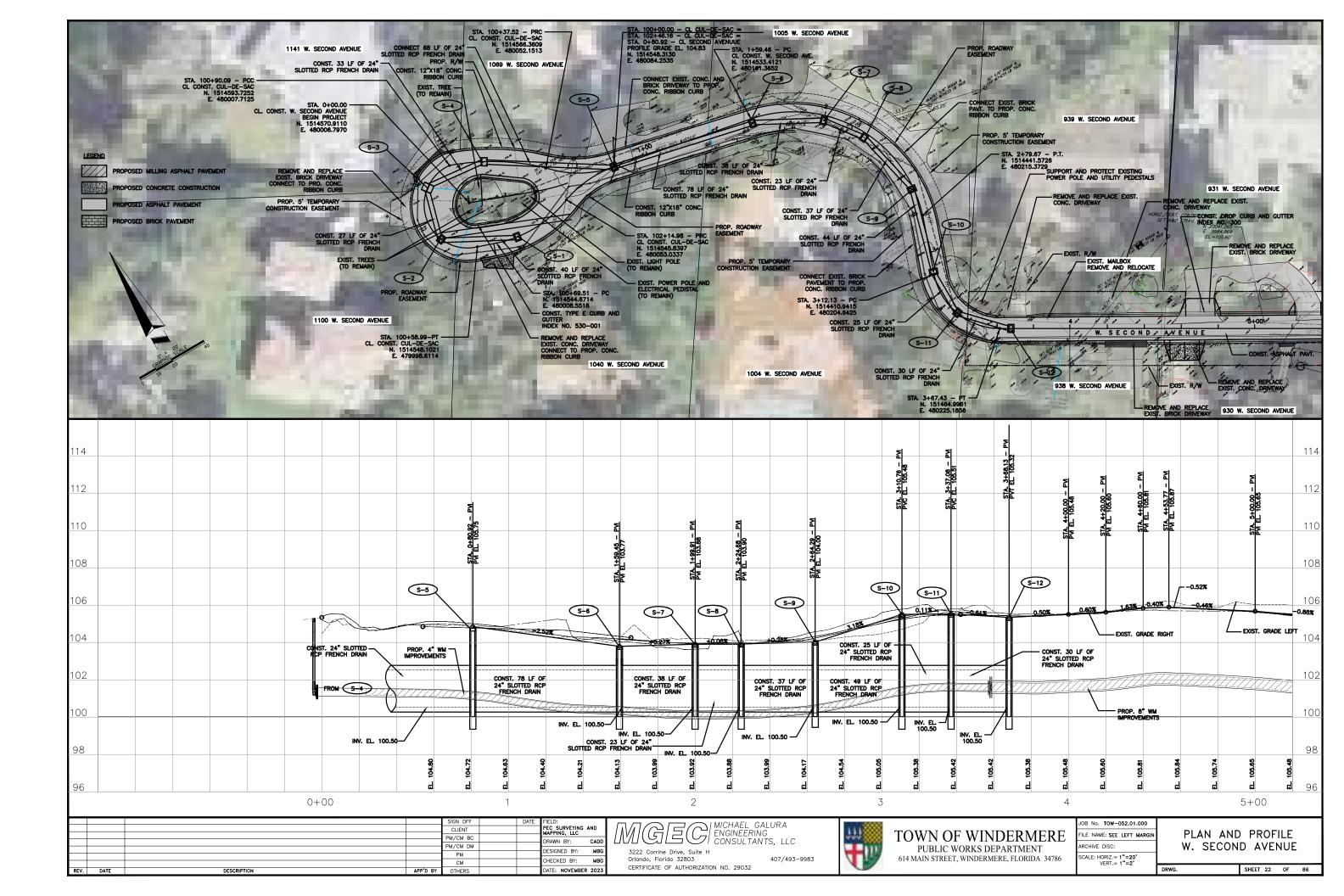
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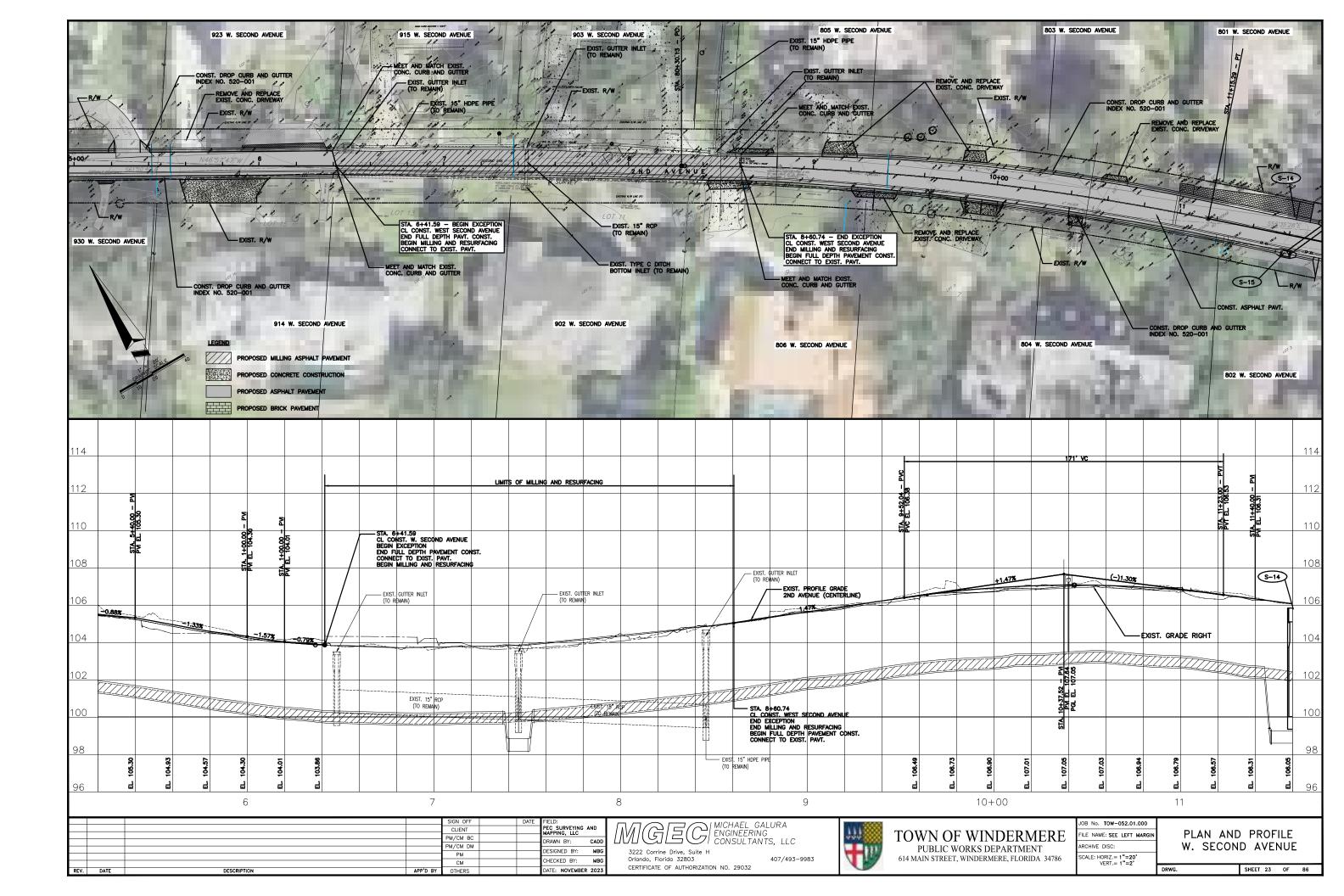
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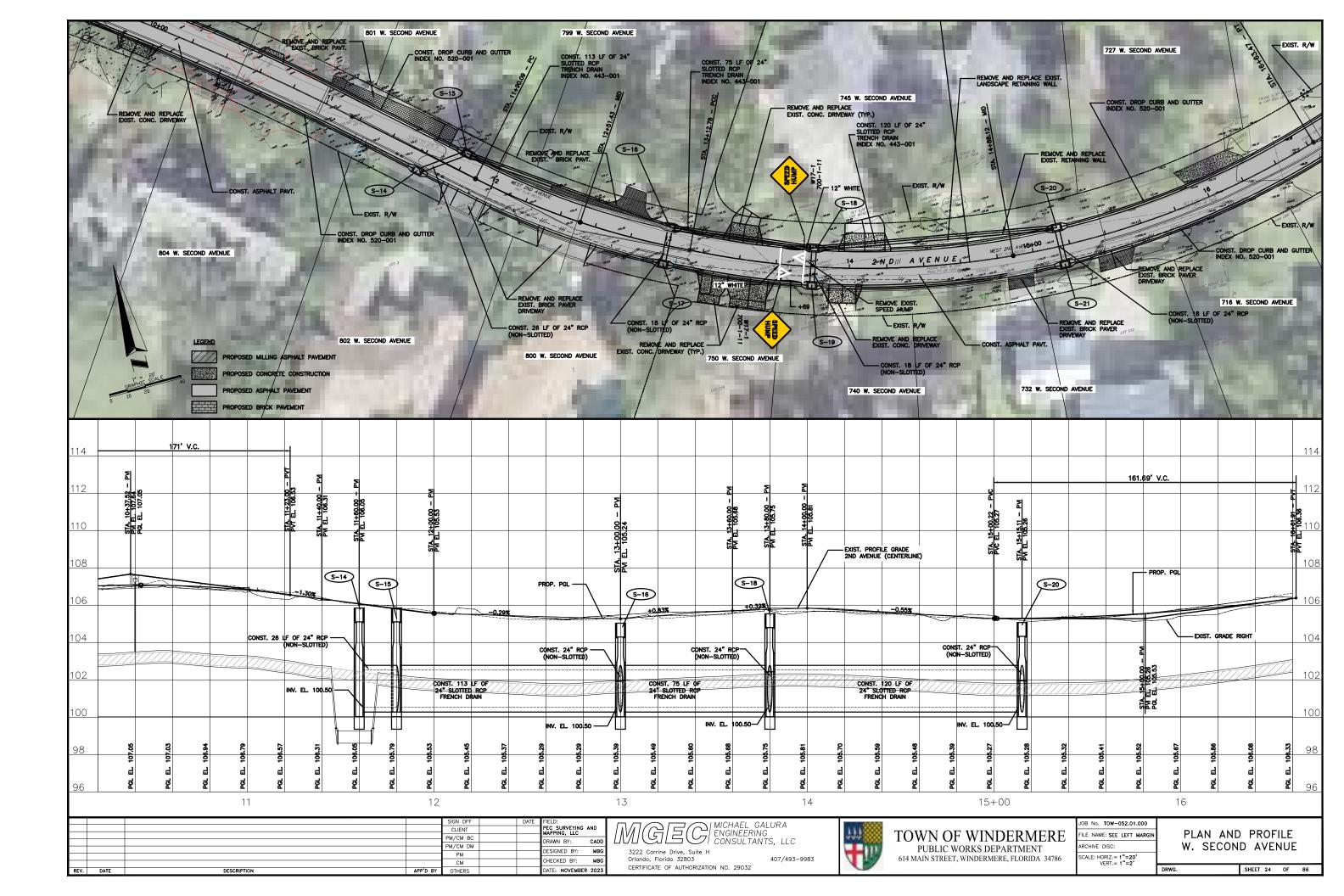
PROJECT LAYOUT

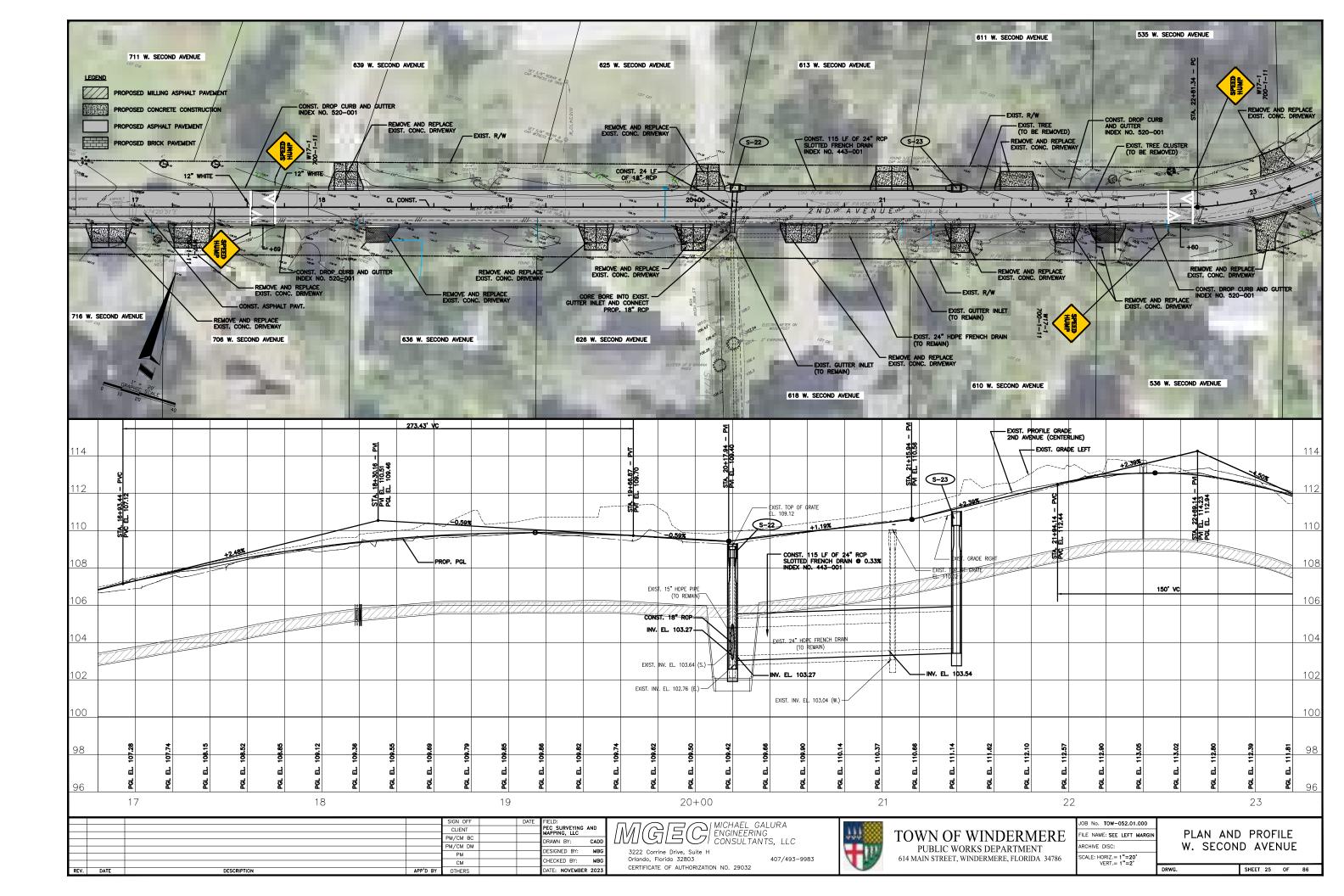
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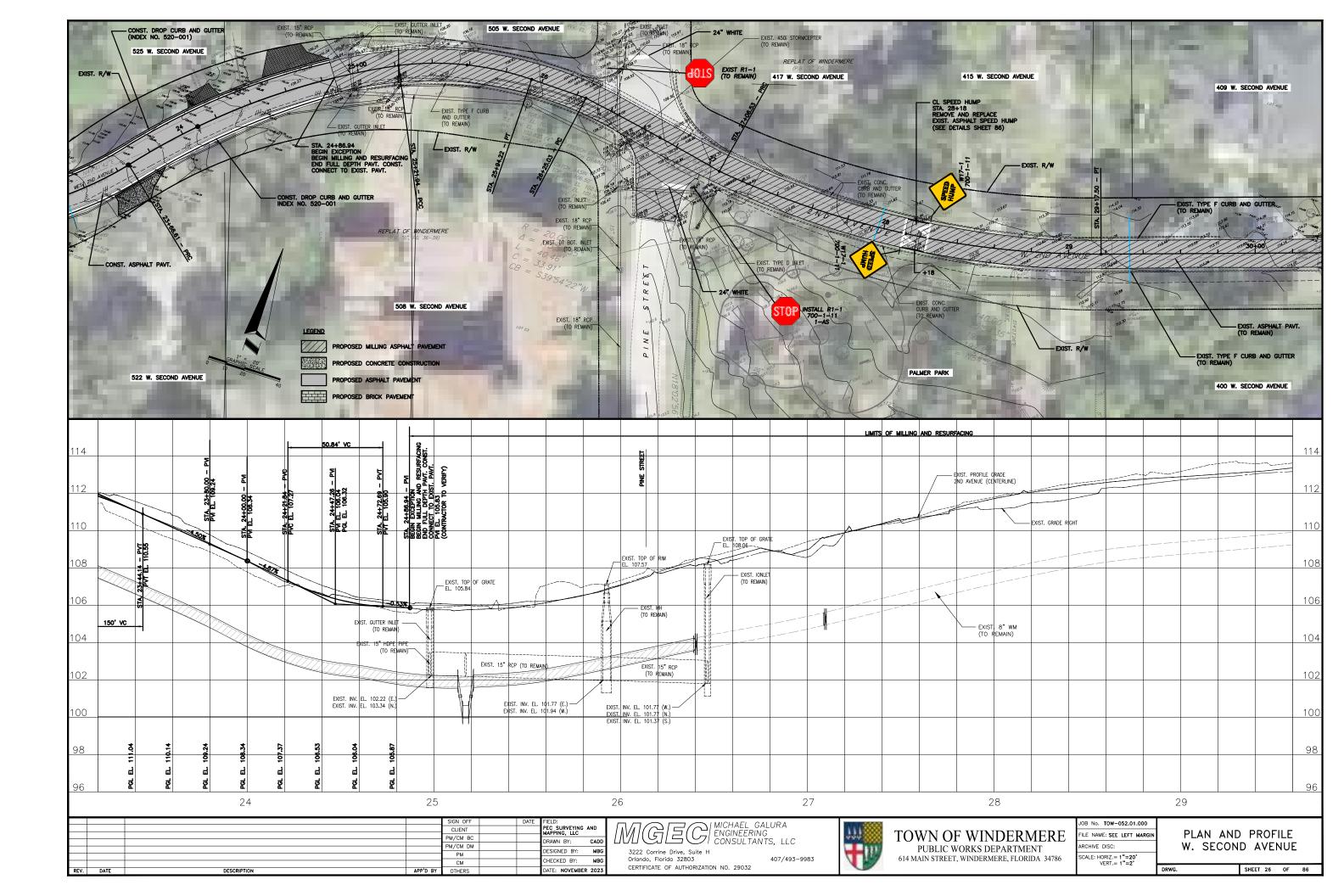
SHEET 21 OF 86

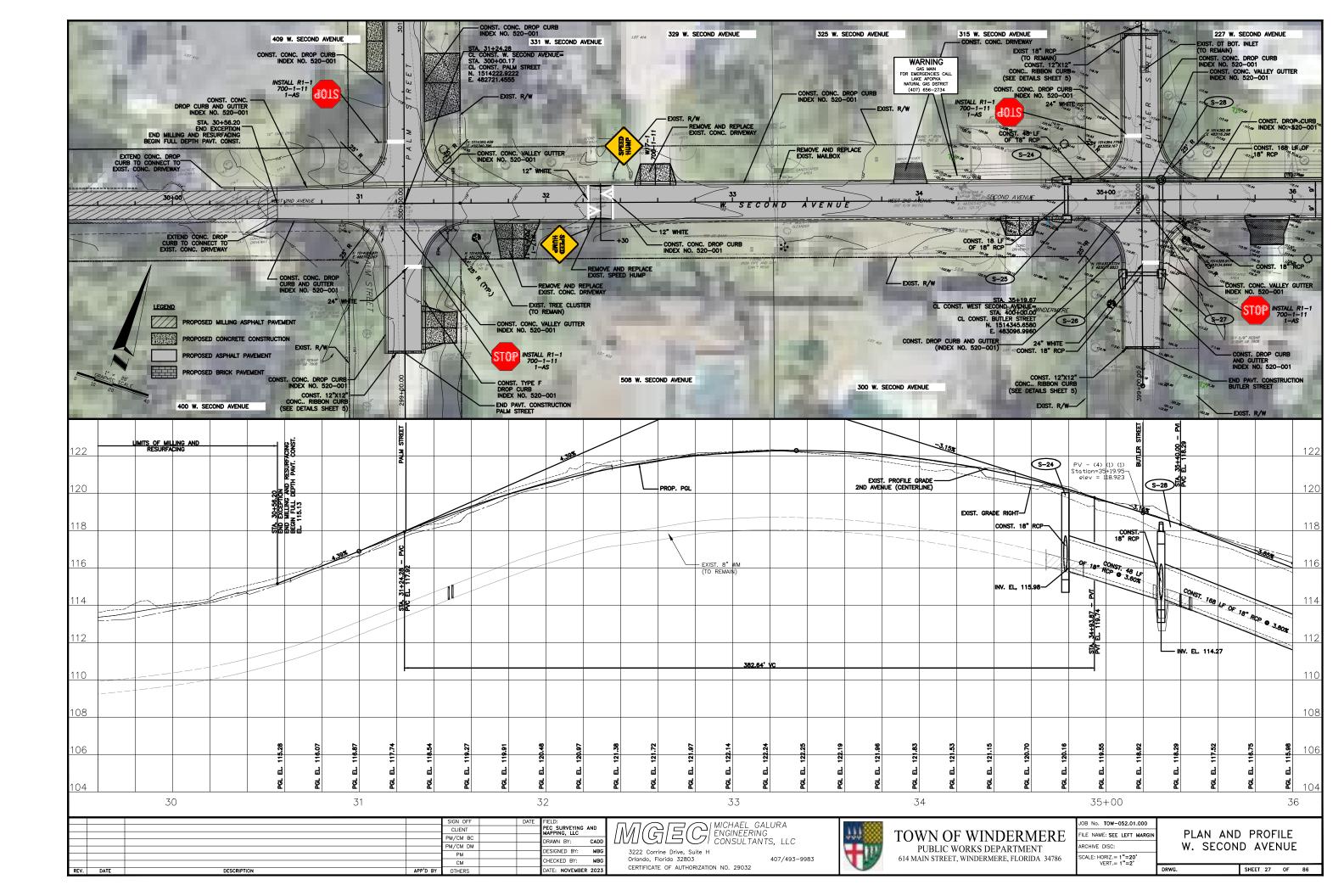


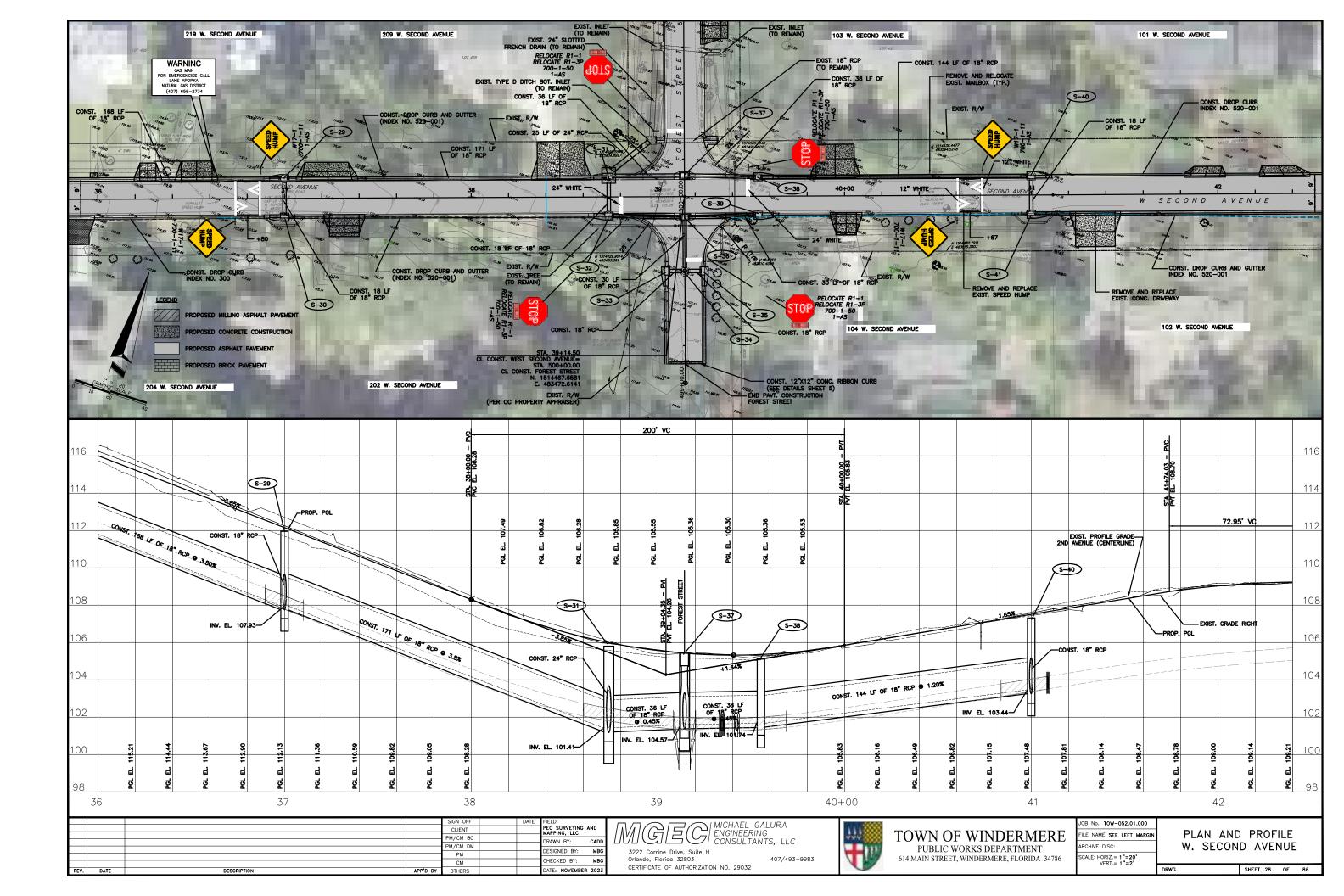


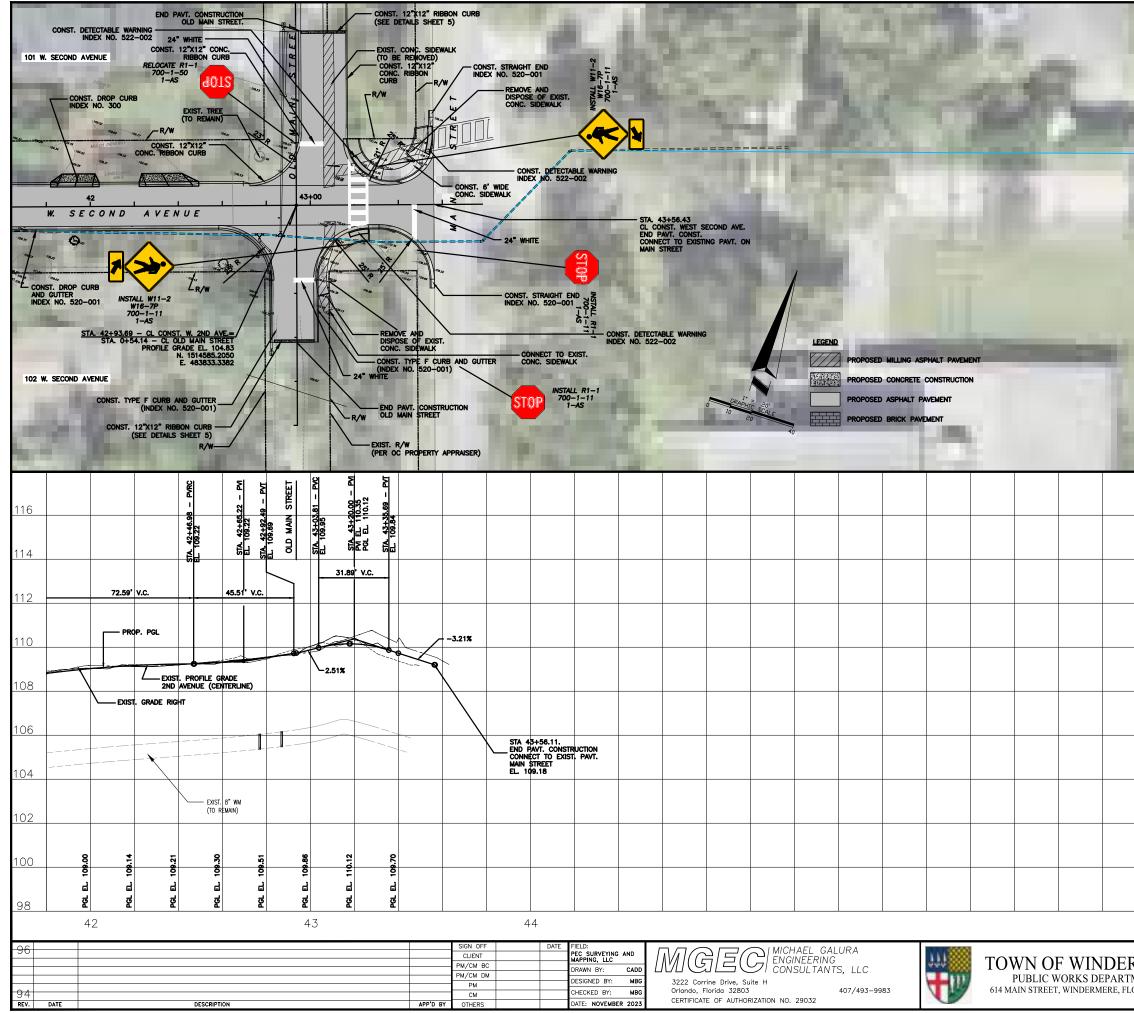




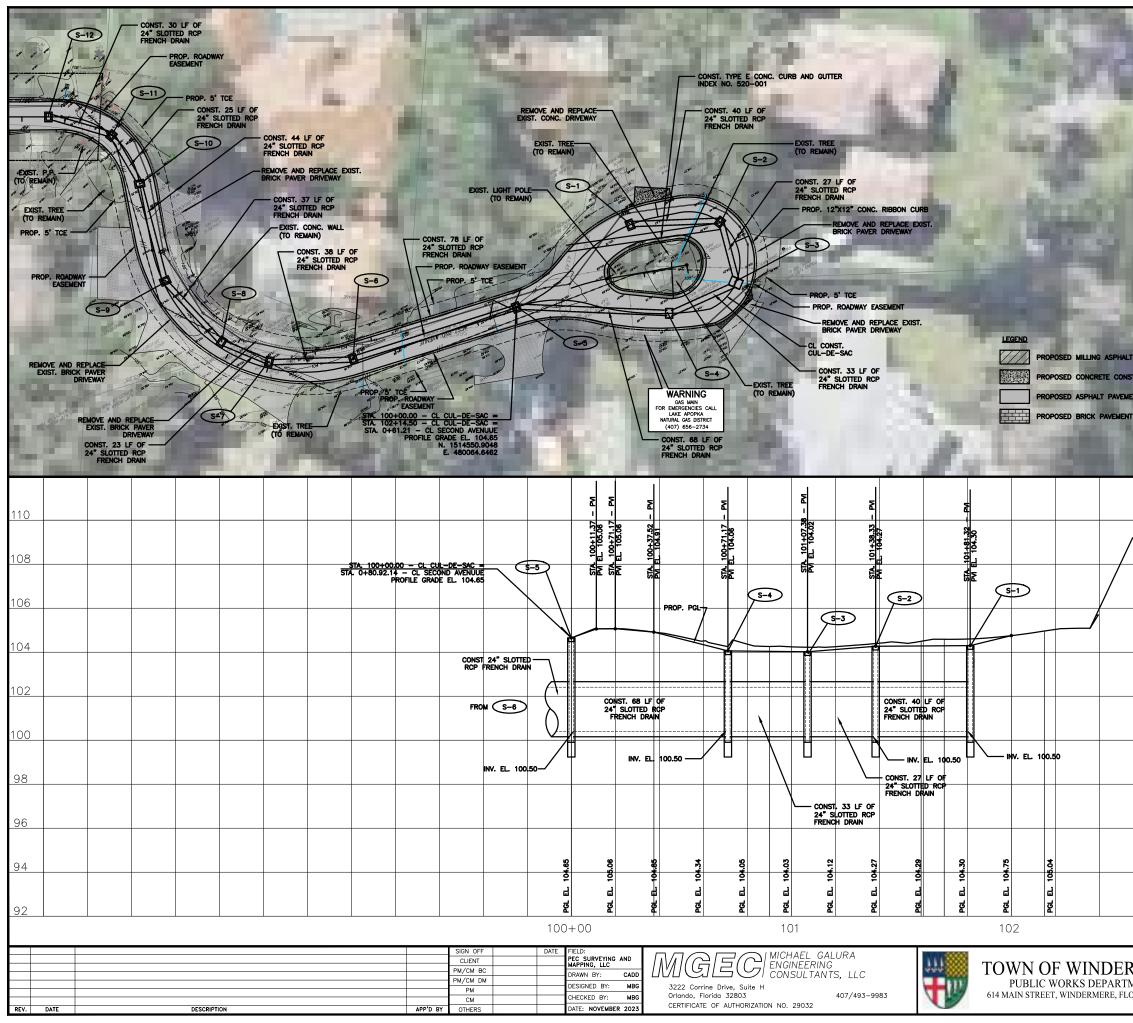




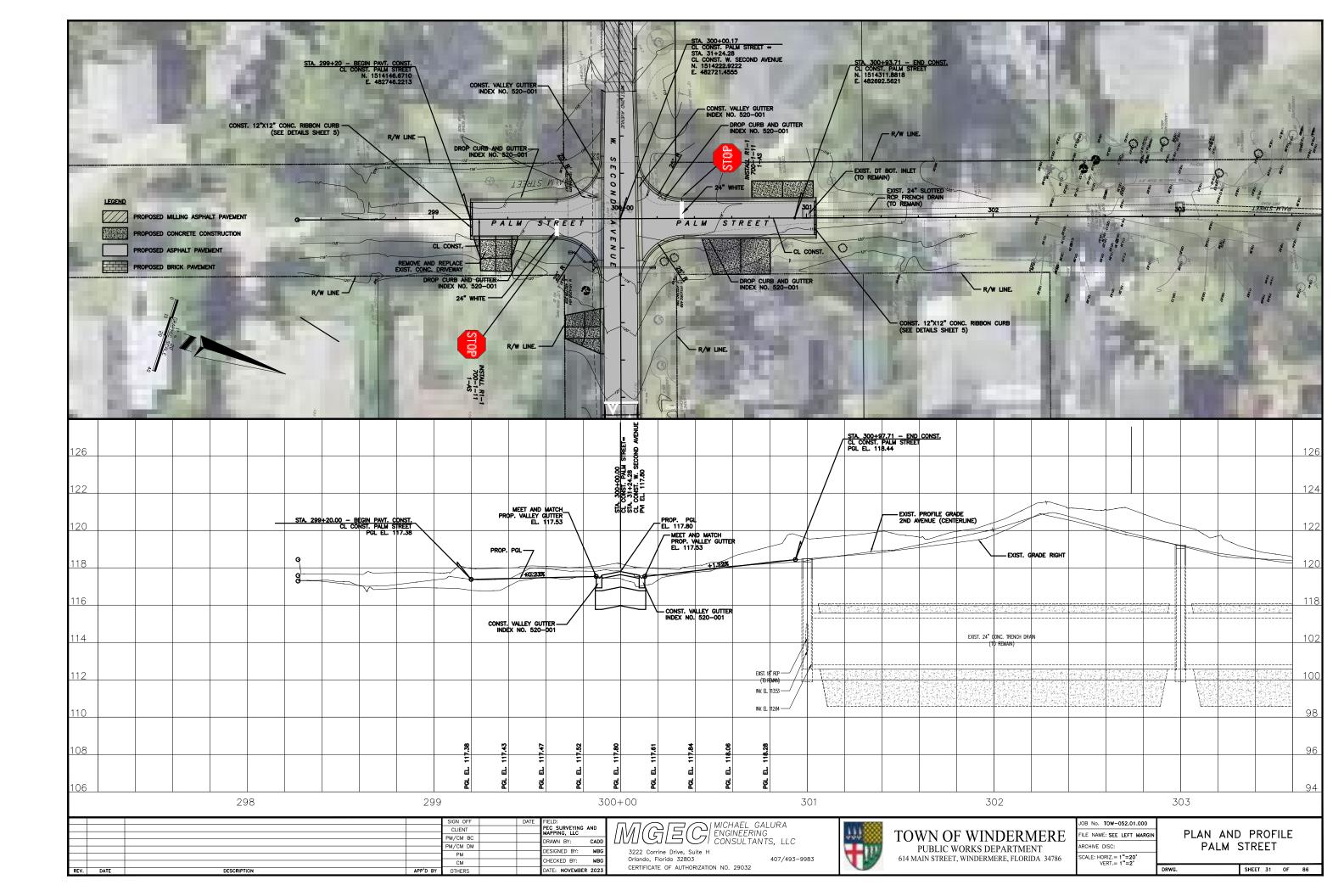


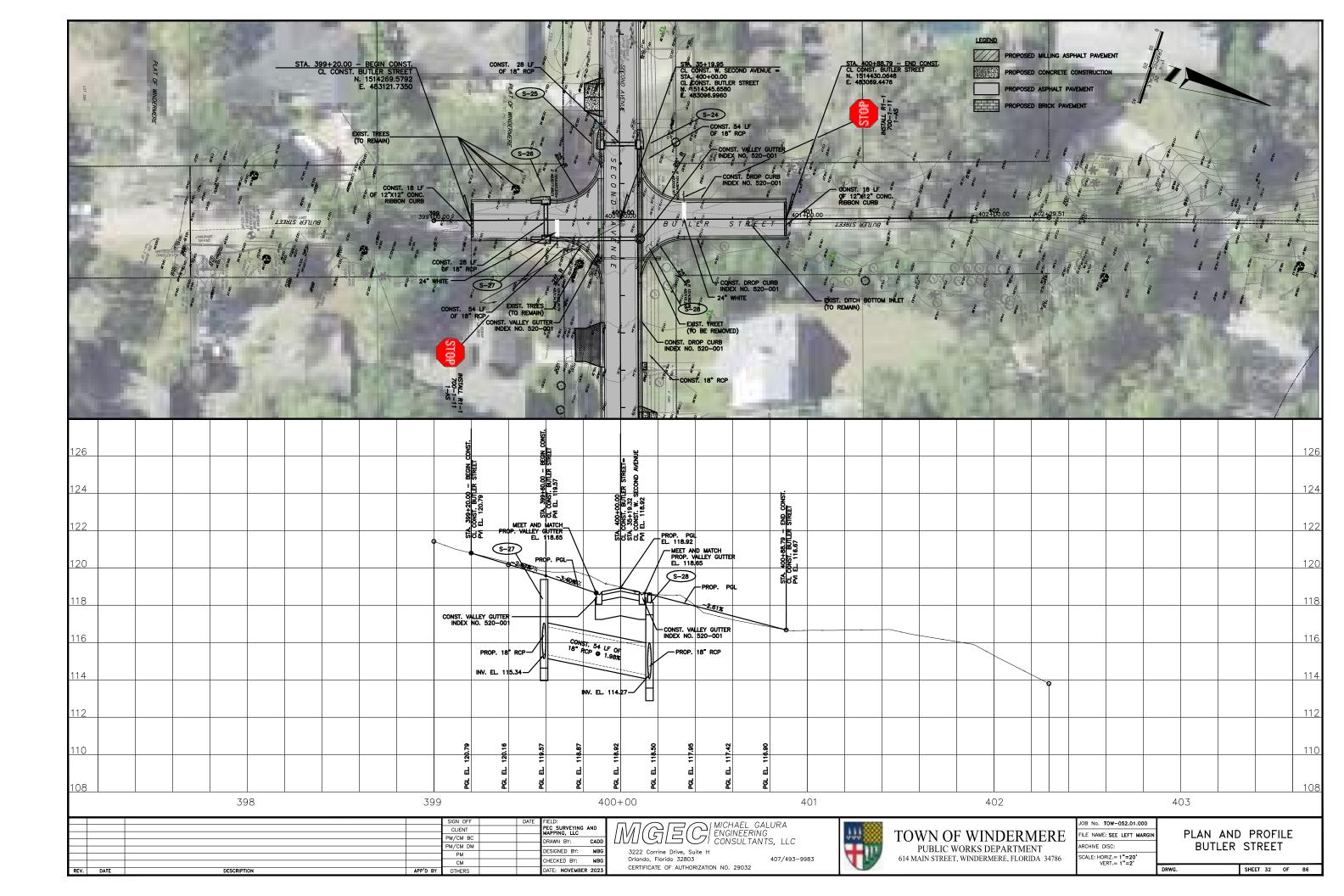


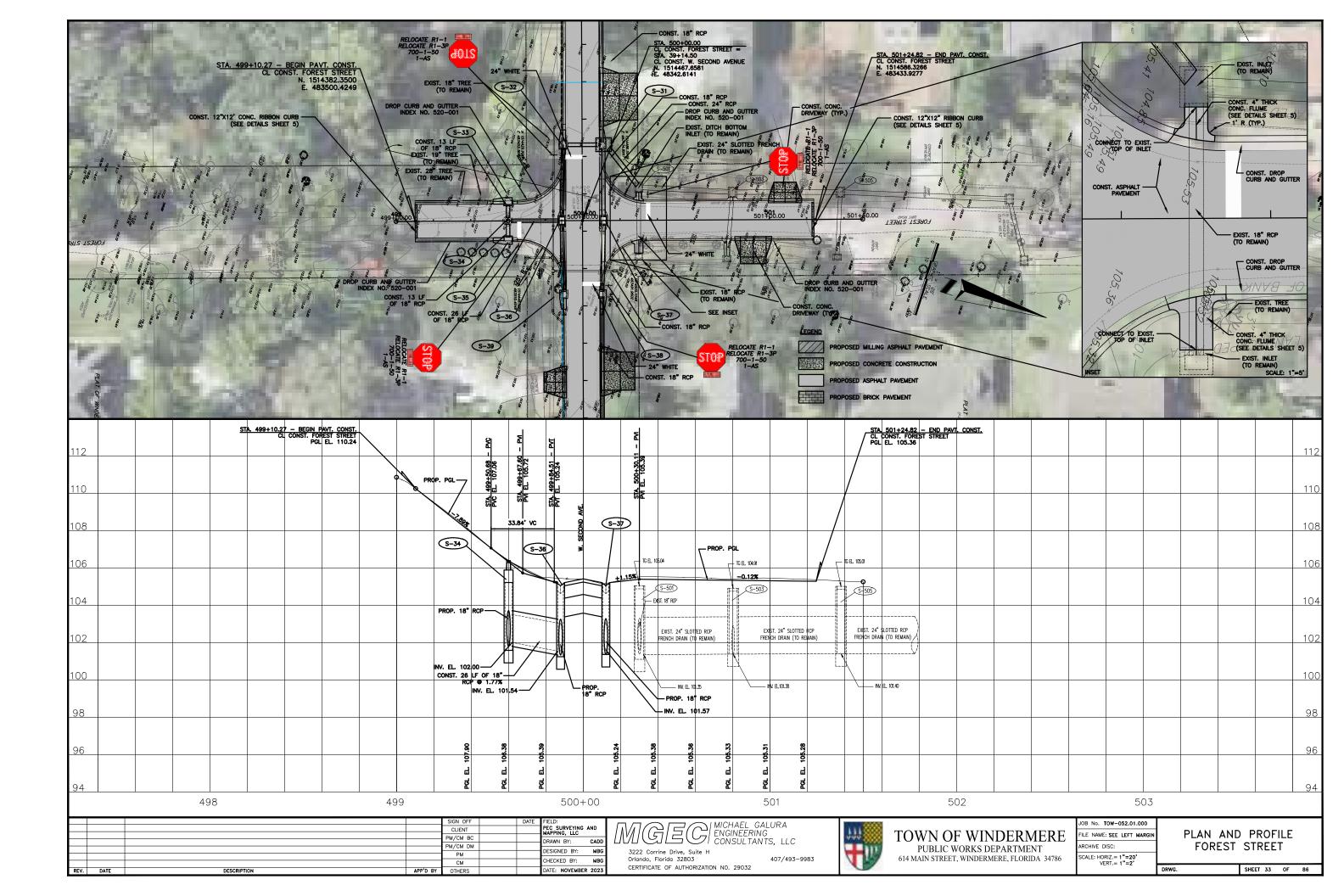
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	Contraction of the local division of the loc	ALC: N			200	ļ	
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							114
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							104
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							98
RMERE MENT JORIDA 34786	FILE NAME: ARCHIVE DI	DW-052.01.000 SEE LEFT MAR SC: IZ.= 1"=20' RT.= 1"=2'	GIN	PLAN W. SE	COND	PROFILE AVENU	E 86

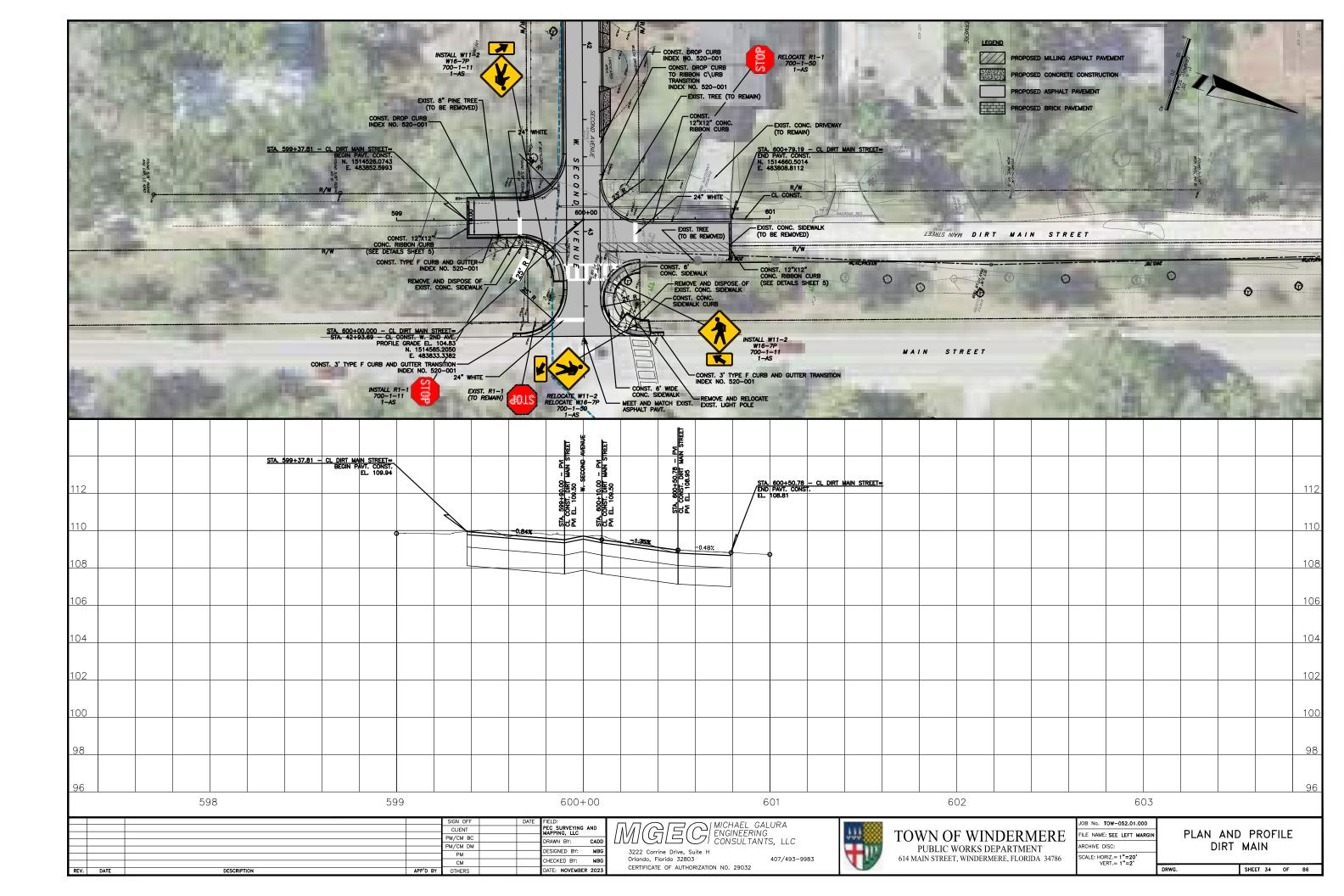


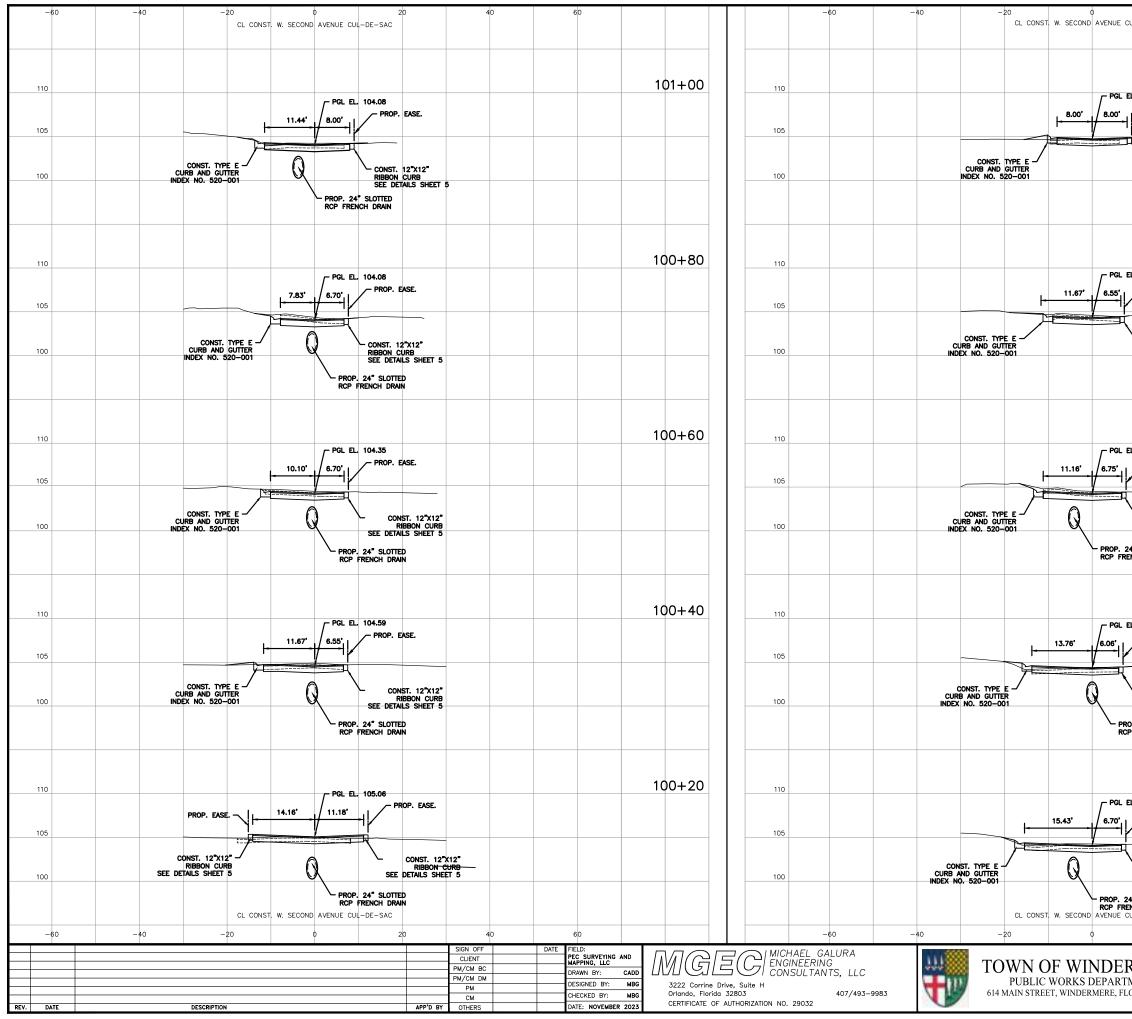
ALT PAVEMENT INSTRUCTION EMENT ENT		EON BAY	
	- CL CUL-DE-SAC =		110
STA. 0+80.92 - PROFILE GRADE I	- CL_CUIL-DE-SAC = CL_SECOND AVENUUE EL. 105.09		108
			106
			104
			102
			100
			98
			96
			94
	JOB No. TOW-052.01.000	I	
TMENT IORIDA 34786	FILE NAME: SEE LEFT MARGIN ARCHIVE DISC: SCALE: HORIZ.= 1"=20' VERT.= 1"=2'	PLAN A CUL	ND PROFILE -DE-SAC SHEET 30 OF 86



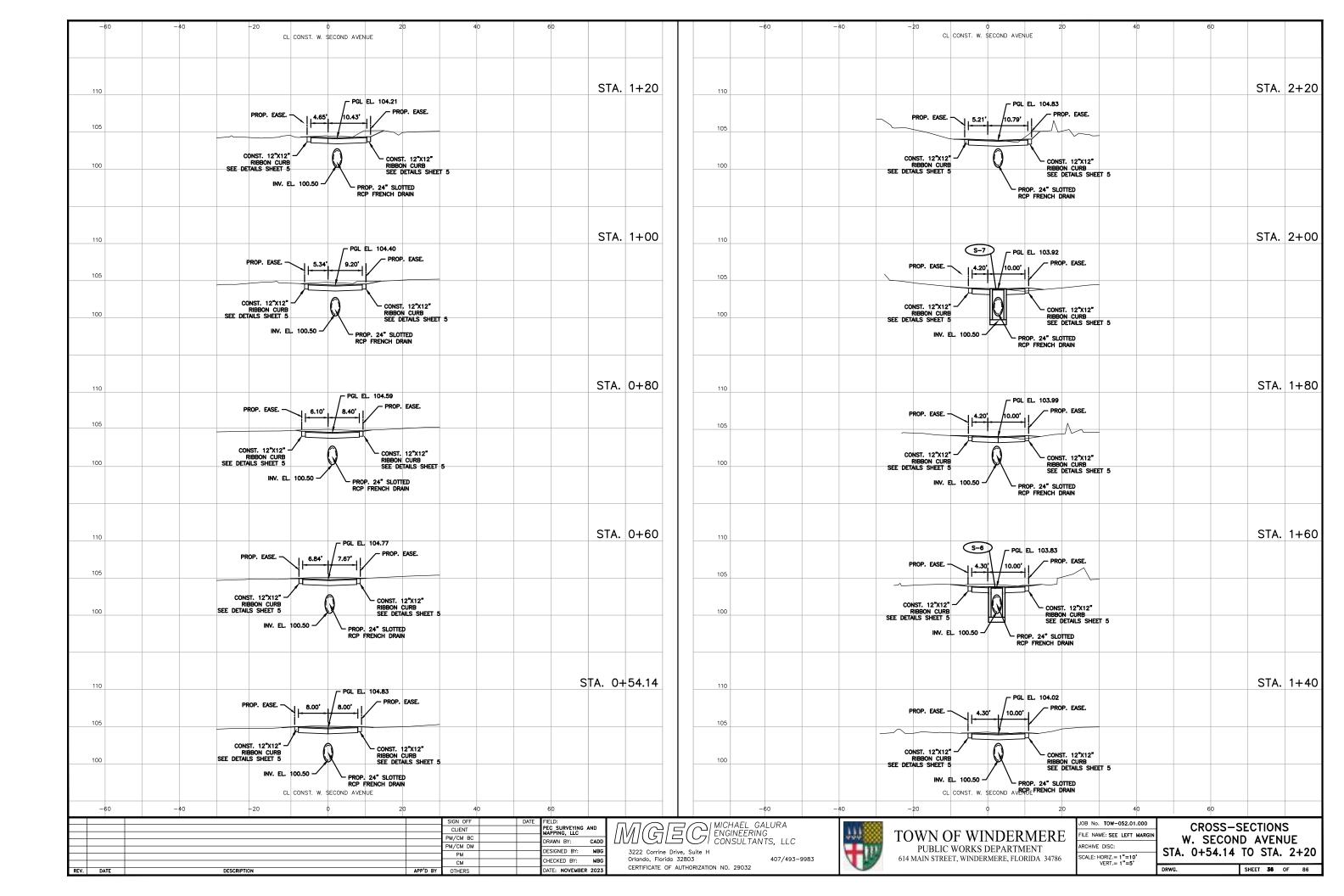


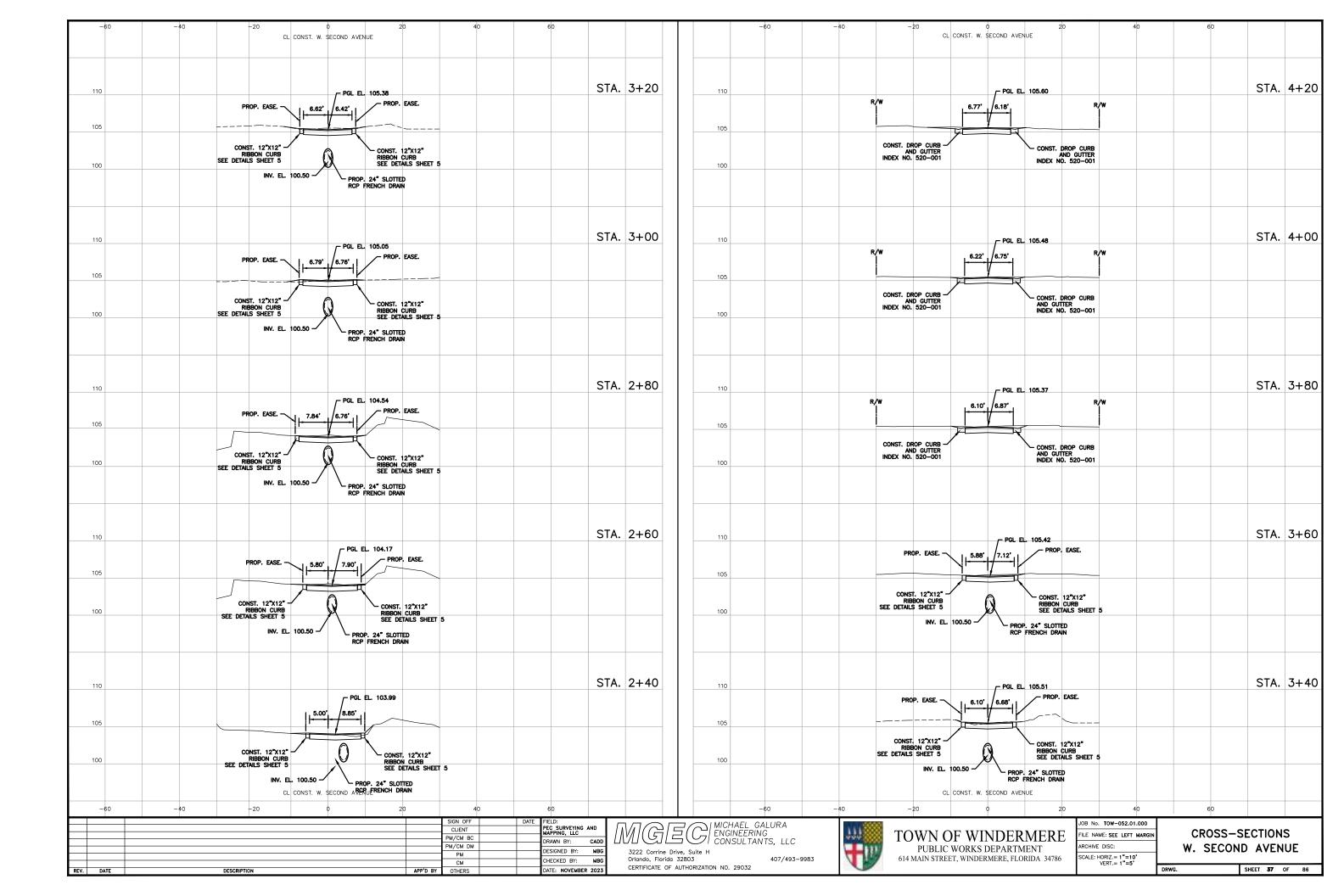


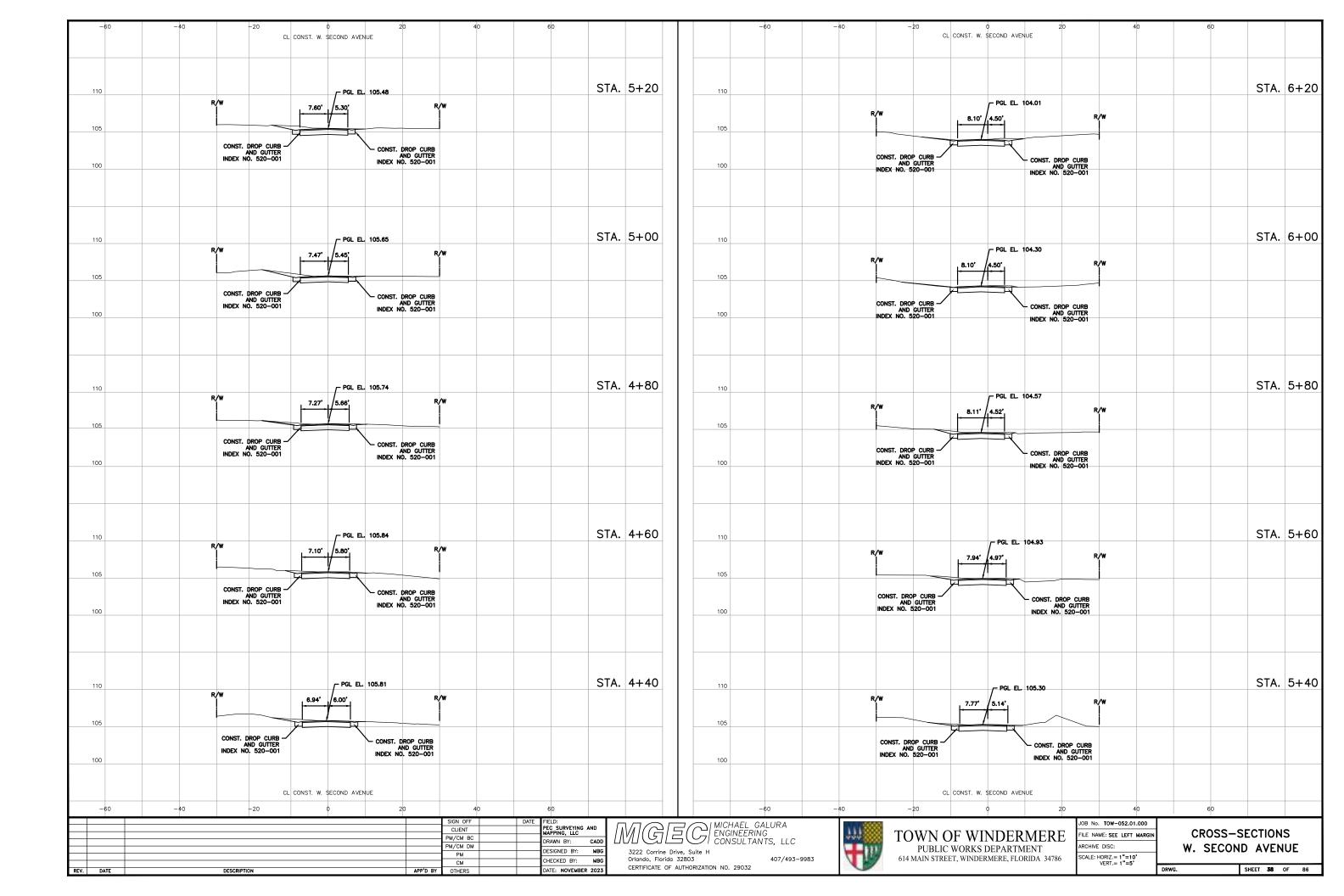


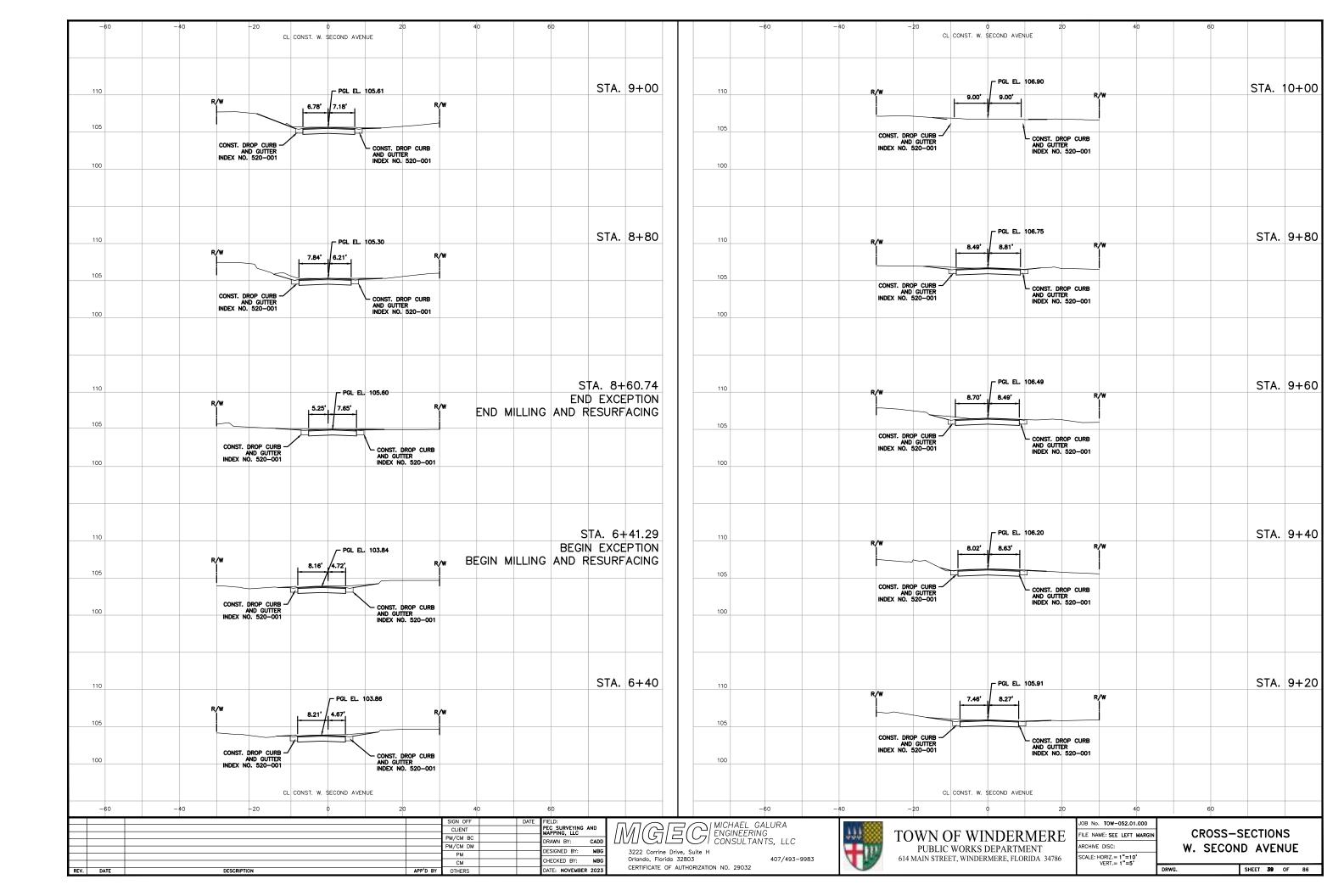


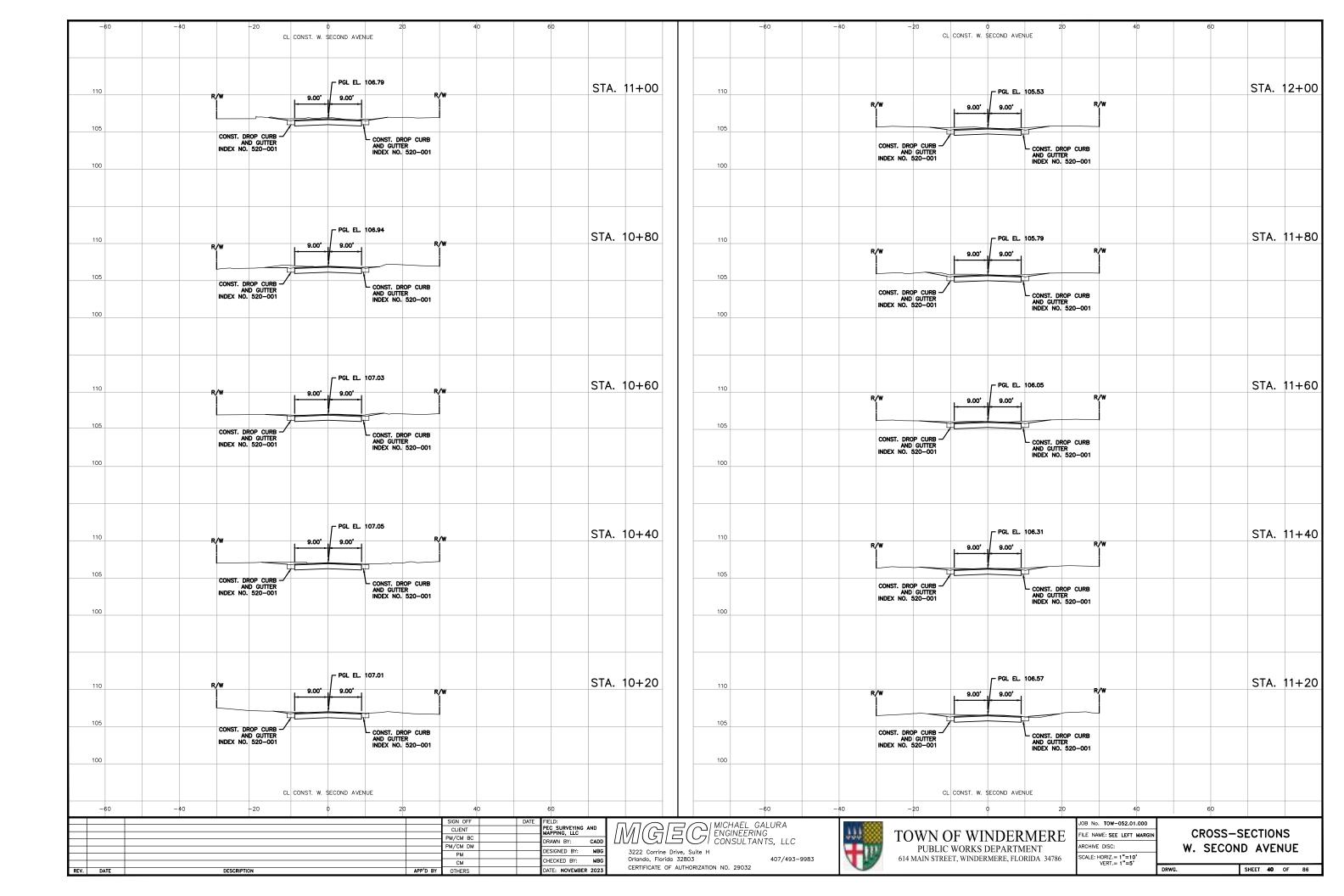
20	40	60	
CUL-DE-SAC			
			102+00
EL. 104.75			
PROP. EASE.			
/			
CONST. 12"X12" RIBBON CURB			
SEE DETAILS SHEE	T 5		
			101+80
EI 104 37			101-00
EL. 104.33 			
FROF. EASE.			
N			
CONST. 12"X12" RIBBON CURB SEE DETAILS SHEET			
SEE DETAILS SHEET	5		
			101+60
EL. 104.27			
- PROP. EASE.			
+			
\mathbf{N}			
- CONST. 12"X12"			
CONST. 12"X12" RIBBON CURB SEE DETAILS SHEET	5		
4" SLOTTED			
ENCH DRAIN			
			101+40
EL. 104.33			
- PROP. EASE.			
CONST. 12"X12" RIBBON CURB			
SEE DETAILS SHEET	5		
OP. 24" SLOTTED			
P FRENCH DRAIN			
			101+20
EL. 104.09			
- PROP. EASE.			
- CONST. 12"X12"			
CONST. 12"X12" RIBBON CURB SEE DETAILS SHEET	5		
4" SLOTTED	-		
NCH DRAIN			
CUL-DE-SAC			
20	40	60	
	No. TOW-052.01.000		
			SECTIONS
	NAME: SEE LEFT MARGIN		
	HIVE DISC:	L COL-D	E-SAC
ORIDA 34786 SCAL	E: HORIZ.= 1"=10' VERT.= 1"=5'		
		DRWG.	SHEET 35 OF 86



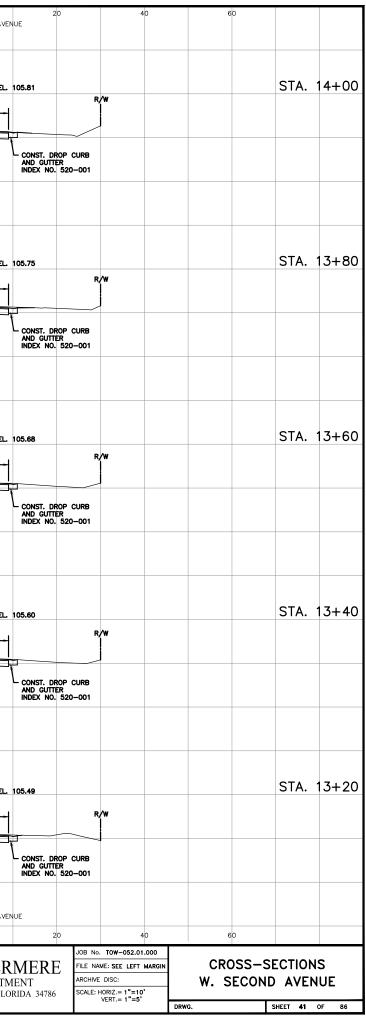




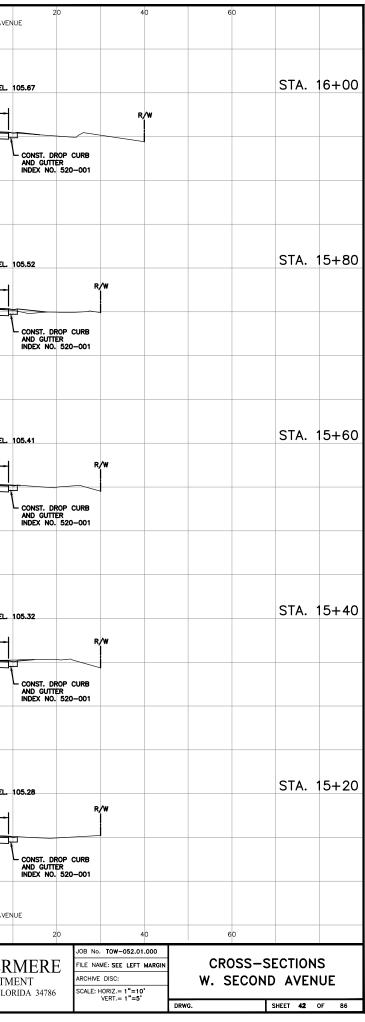




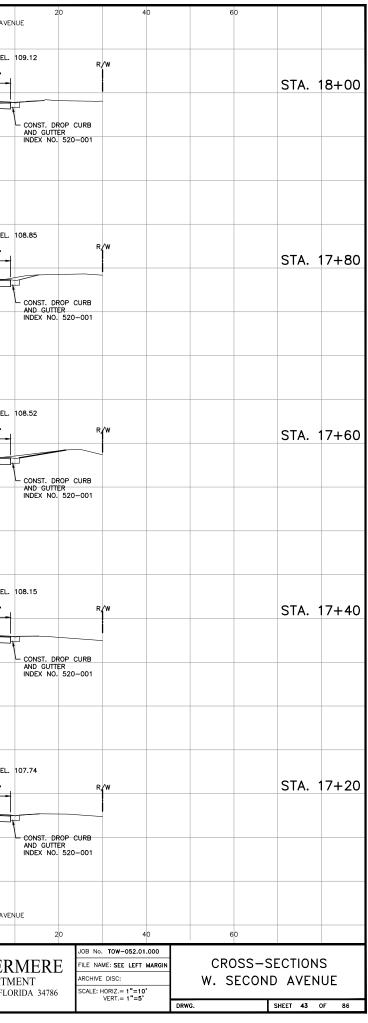
-60	-40 -20 CL CONST.	0 20 40 W. SECOND AVENUE	60	-60	-40 -20 0 CL CONST. W. SECOND AVER
110	R/W 1.9.1	PGL EL. 105.39	STA. 13+00	115	R/W 9.00' 9.00'
105				105	
100	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB / AND GUTTER INDEX NO. 520-001
110		- PGL EL 105.29	STA. 12+80	115	PGL EL
105		9.00' 9.00' R/W		105	R/W 9.00' 9.00'
100	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
110			STA. 12+60	115	PGL EL.
105		9.00' R/W		105	R/W 9.00' 9.00'
100	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	AND CUTTER INDEX NO. 520-001		100	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
110		- PGL EL 105.37	STA. 12+40	115	r PGL EL
	R/W 9.				R/W 9.00' 9.00'
105	CONST. DROP CURB AND GUITER INDEX NO. 520-001	CONST. DROP CURB AND GUITER INDEX NO. 520-001		105	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100	INDEX NO. 520-001	INDEX NO. \$20-001		100	
110	R/W 9.	PGL EL. 105.45	STA. 12+20	115	PGL EL. R/₩ 9.00' 9.00'
105				105	
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	- CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001
		W. SECOND AVENUE			CL CONST. W. SECOND AV
-60	-40 -20	0 20 40	60 DATE FIELD:		-40 -20 0
		CLIENT PM/CM BC PM/CM DM	PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD	MCC MICHAEL GALURA ENGINEERING CONSULTANTS, LLC	
		PM CM	DESIGNED BY: MBG 3222 Corrine Drive, CHECKED BY: MBG Orlando, Florida 321	Suite H	PUBLIC WORKS DEPARTN 614 MAIN STREET, WINDERMERE, FLO
REV. DATE	DESCRIPTION	APP'D BY OTHERS	DATE: NOVEMBER 2023 CERTIFICATE OF AUT	HUMIZATIUN NU. ZUUJZ	

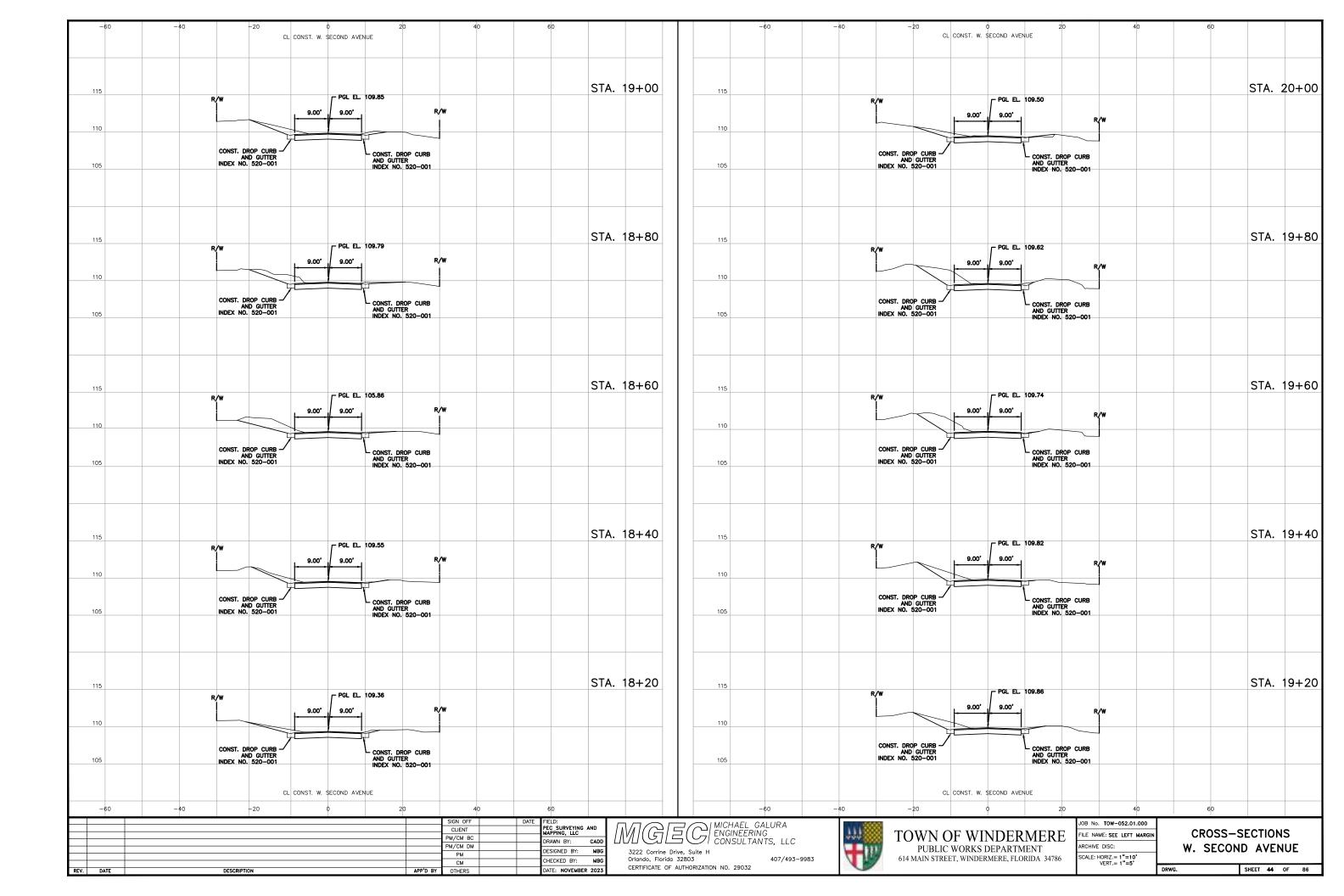


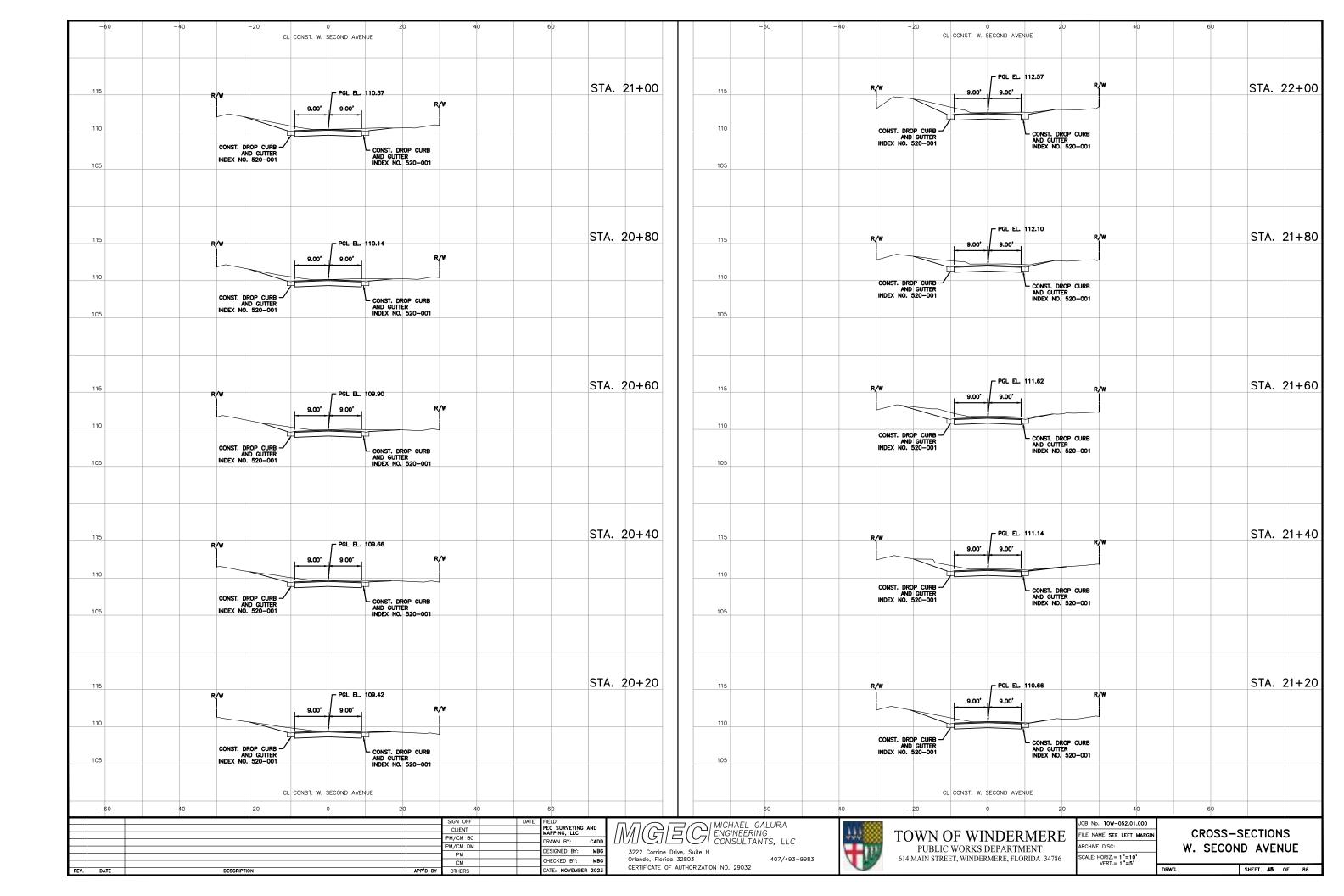
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110		L. 105.26	STA. 15+00	110	PGL EL
	R/W 9.00' 9.00'	- R/W			R/W 9.00' 9.00'
105				105	CONST. DROP CURB
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001
110		L. 105.37	STA. 14+80	110	PGL EL.
	R/W 9.00' 9.00'				R/W 9.00' 9.00'
105	CONST. DROP. CURR			105	CONST. DROP CURB
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB / AND GUTTER INDEX NO. 520-001
110		L. 105.48	STA. 14+60	110	PGL EL
	9.00' 9.00'				9.00' 9.00'
105	CONST. DROP CURB			105	CONST. DROP CURB
100	CONST. DROP CURB / AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001
110	PGL E R/W . 9.00' 9.00'	L. 105.59	STA. 14+40	110	PGL EL
105		R/W		105	9.00' 9.00'
	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	CONST. DROP CURB			CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100	INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	INDEX NO. 520-001
110	PGL E	L. 105.70	STA. 14+20	110	
	R/W 9.00' 9.00'	- R/W			R/W 9.00' 9.00'
105				105	
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001
	CL CONST. W. SECOND A				CL CONST. W. SECOND AVE
-60	-40 -20 0	20 40 SIGN OFF		I MICHAEL GALURA	-40 -20 ¢
		CLIENT PM/CM BC PM/CM DM		Michael galura engineering consultants, llc	
		PM CM	DESIGNED BY: MBG 3222 Corrine Drive, CHECKED BY: MBG Orlando, Florida 328	Suite H	PUBLIC WORKS DEPARTM 614 MAIN STREET, WINDERMERE, FLO
REV. DATE	DESCRIPTION	APP'D BY OTHERS	DATE: NOVEMBER 2023 CERTIFICATE OF AUT		

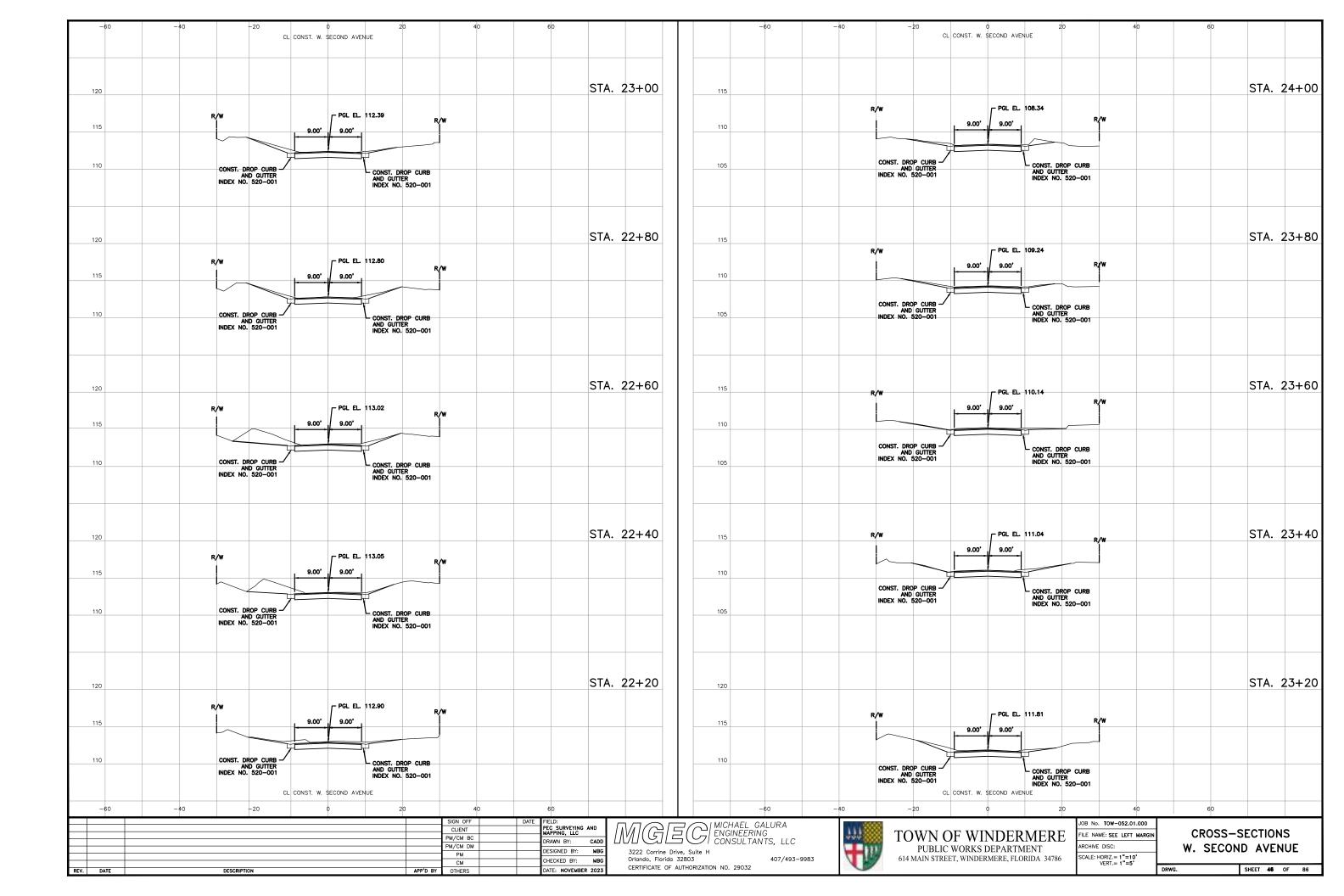


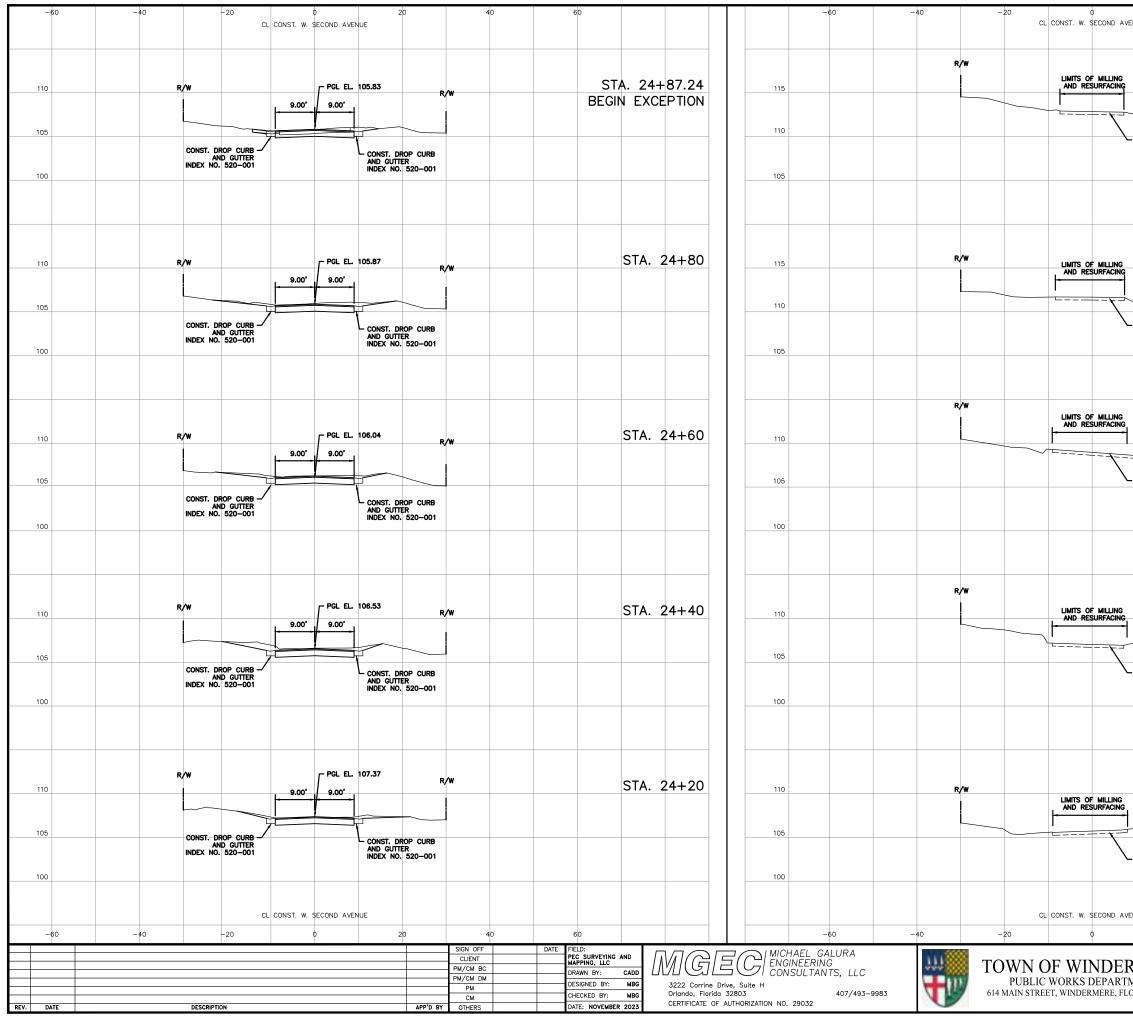
110	R/W	PGL EL. 107.28			
	9.00		STA. 17+00	110	R/W 9.00' PGL EL.
105				105	CONST. DROP CURB AND GUITER INDEX NO. 520-001
100	CONST. DROP CURB / AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	
		PGL EL. 106.79	STA 16190		R∕W 9.00' 9.00' 9.00'
110	R/W 9.00'	9.00' R/W	STA. 16+80	110	CONST. DROP CURB AND GUITER INDEX NO. 520-001
100	AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	
		PGL EL. 106.33	STA. 16+60		R{₩ 9.00' 9.00' 9.00'
110	R W 9.00'	9.00' R/W		110	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100	AND CURB - AND CURB - INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	
110		PGL EL. 106.08	STA. 16+40	110	R/W 9.00' 9.00'
105				105	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	
110		PGL EL. 105.86	STA. 16+20	110	R∕₩ 9.00' 9.00'
105		9.00' R/W		105	CONST. DROP CURB AND GUITER INDEX NO. 520-001
100	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		100	
-60 -40	CL CONST. W. SEC	20 40	60	-60	CL CONST. W. SECOND AVE
REV. DATE	DESCRIPTION			MICHAEL GALURA ENGINEERING CONSULTANTS, LLC Suite H 3 407/493–9983	TOWN OF WINDER PUBLIC WORKS DEPARTM 614 MAIN STREET, WINDERMERE, FLC



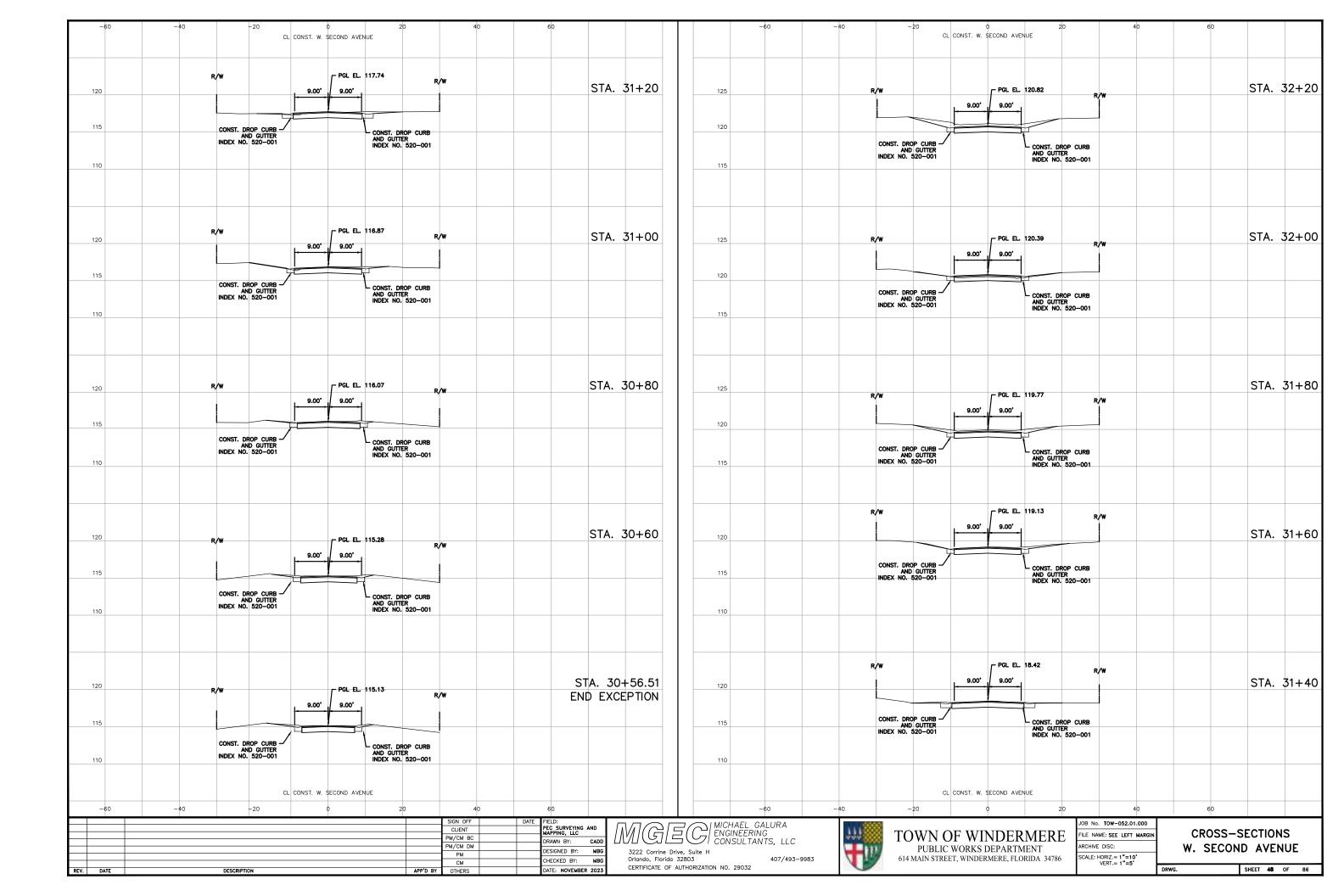


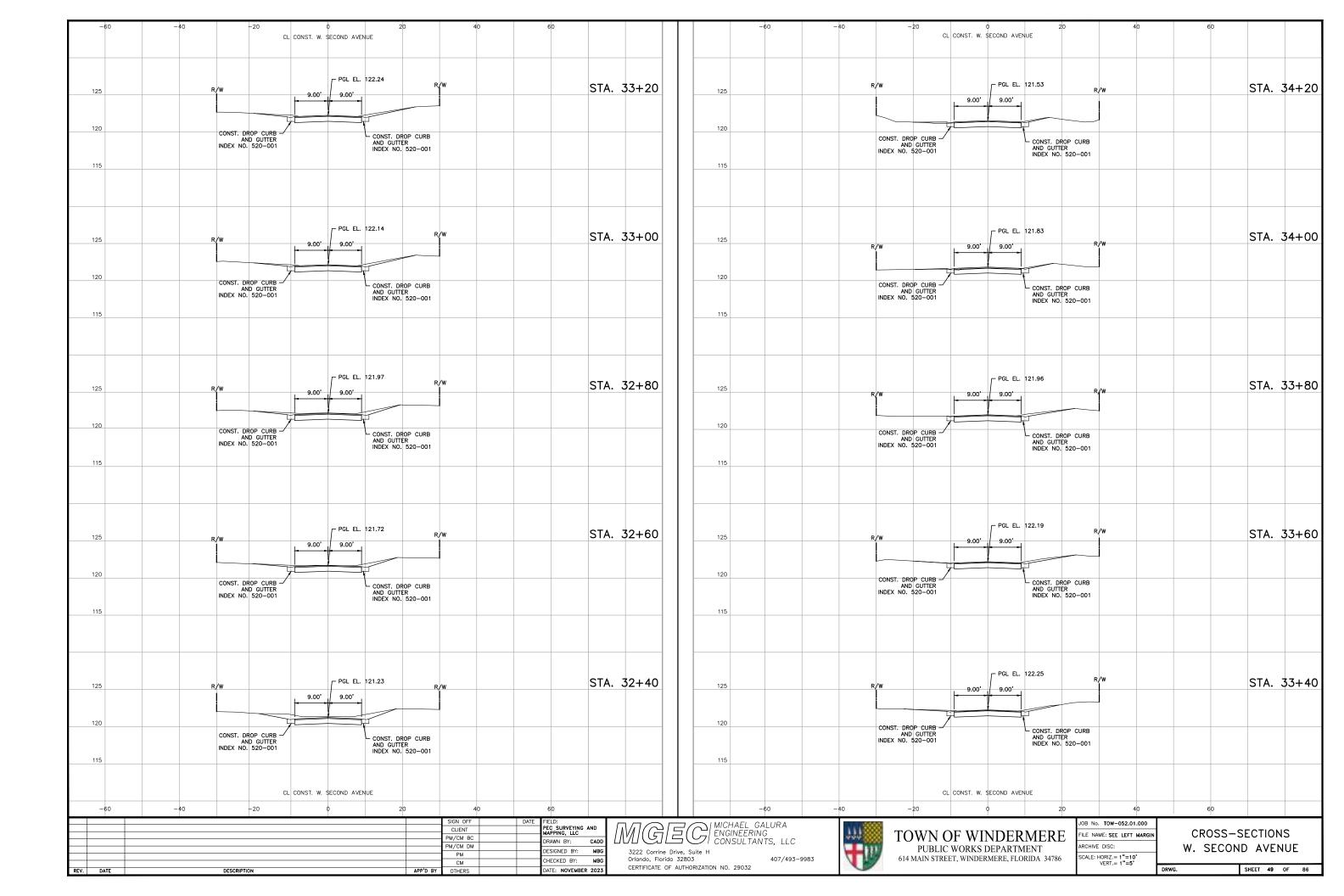




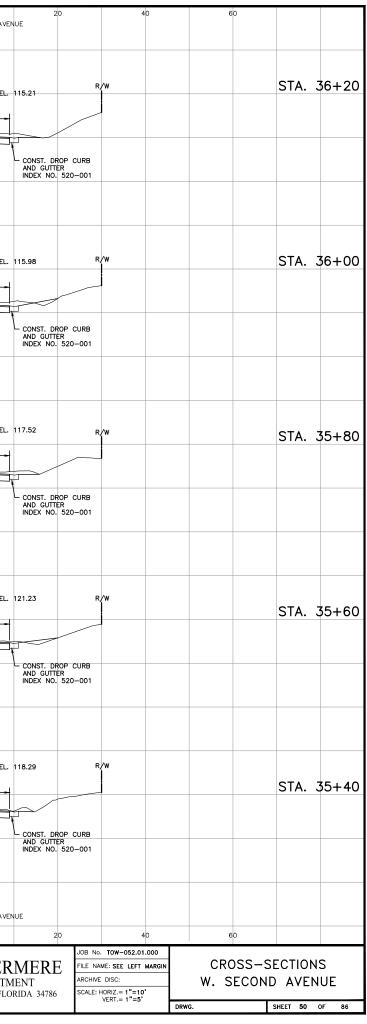


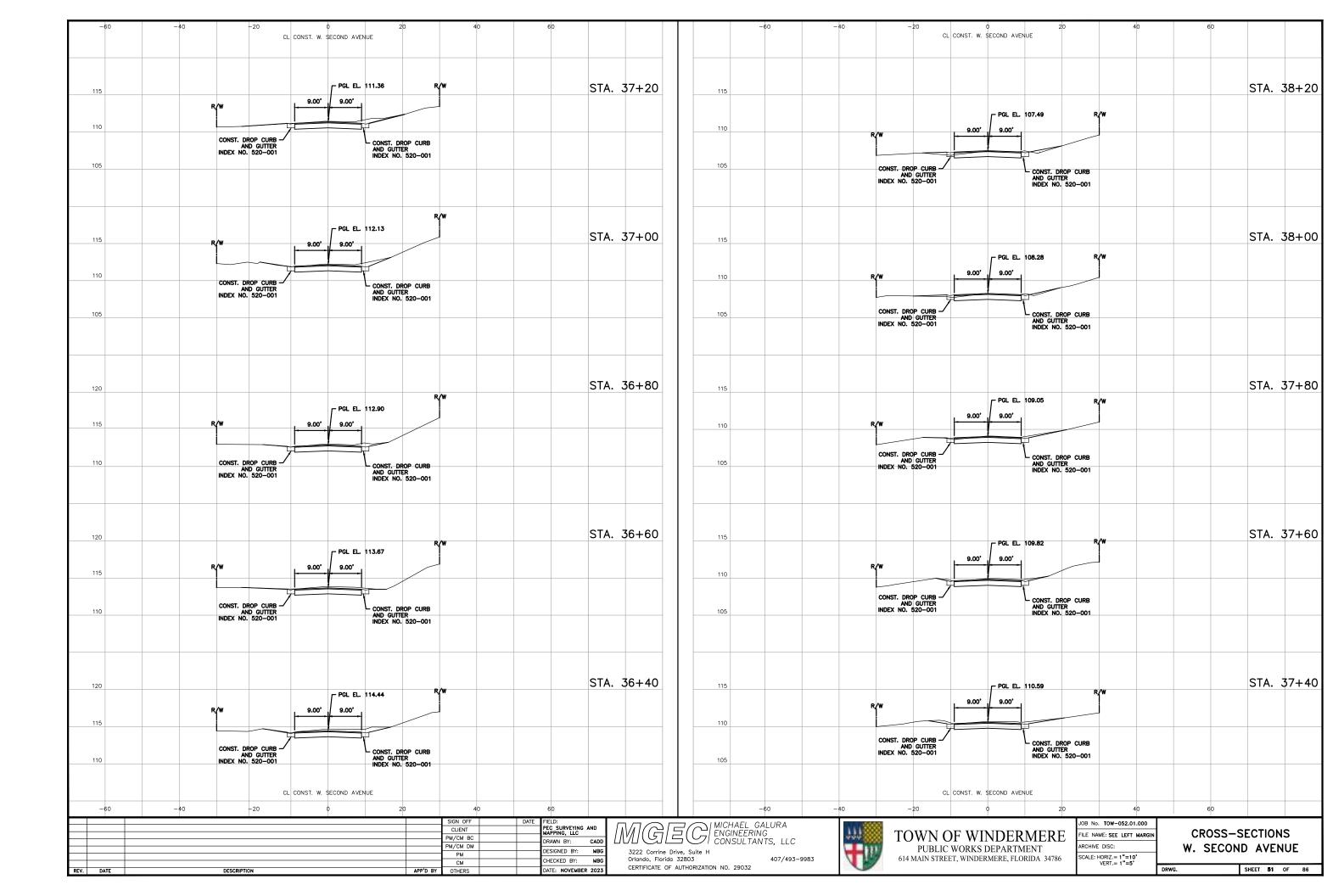
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ΕN							
-							
			R/W			CTA 4	29+00
_						31A. 2	29+00
_	XIST. ASPHA						
	AIST. ASPHA						
			- Au			STA. 2	28+00
			R/W				
4			4				
- 6	XIST. ASPHA	LT PAVT.					
+							
+							
			R/W				27+00
-						31A. /	27700
- 1							
- 6	EXIST. ASPHA	LT PAVT.					
			R/W			STA. 2	26+00
- F	XIST. ASPHA						
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						STA (25+00
+			R/W			517. 2	2JT00
			····				
		<u> </u>					
- F	XIST. ASPHA	LT PAVT.					
ΈN	UE						
	2	20	40	6	0		
1		JOB N	o. TOW-052.01.000		1	1	1
21	MERI		IAME: SEE LEFT MARGIN	CRC)SS–SE	ECTION	S
	ENT	ARCHI	/E DISC:		ECOND		
	RIDA 34786		: HORIZ.= 1"=10'		20010		~_
-			VERT.= 1"=5'	DRWG.	s	HEET 47	OF 86



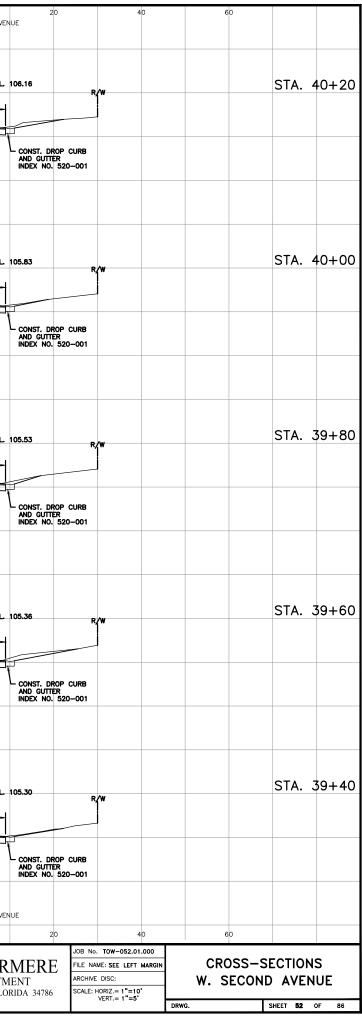


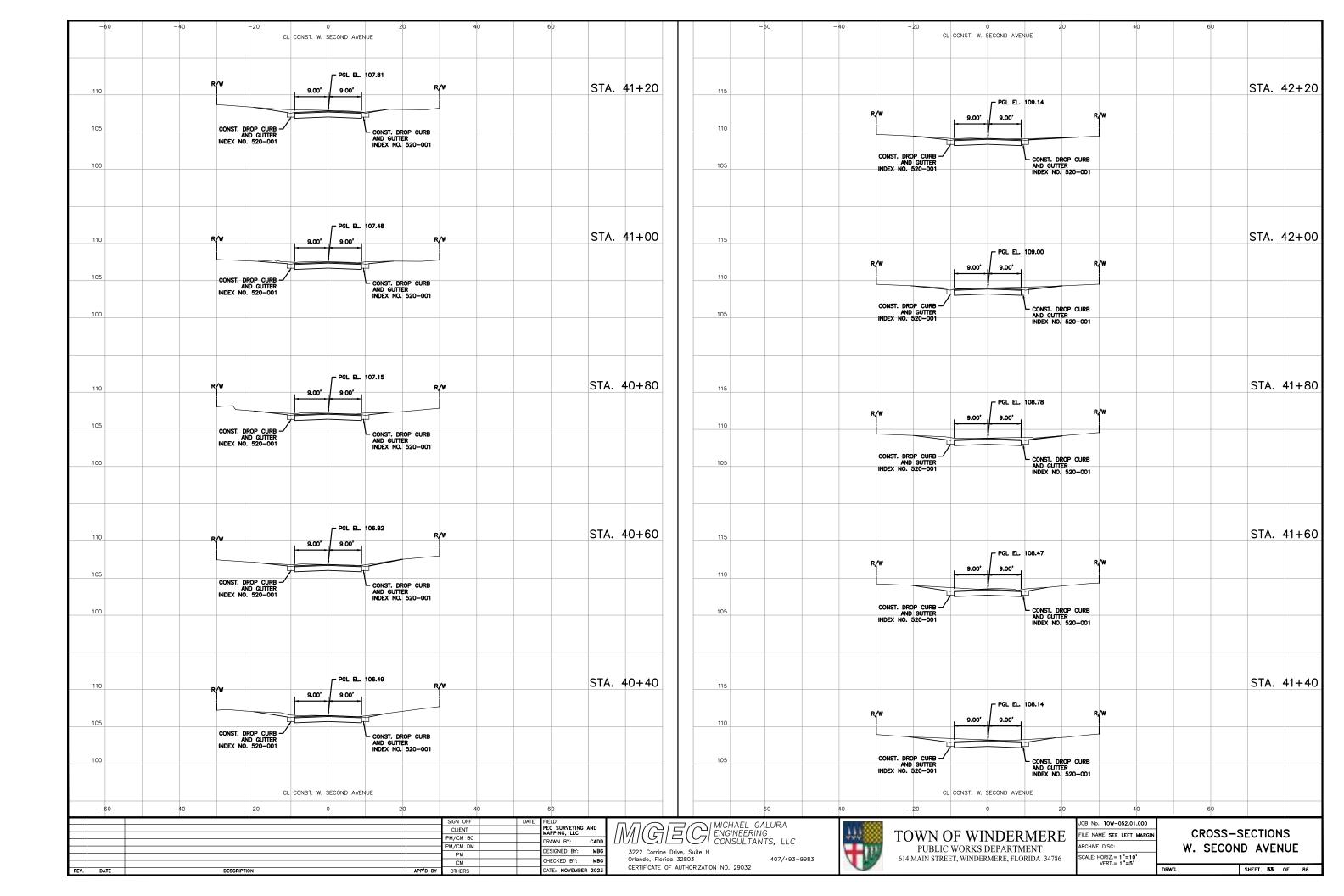
-60	-40 -20 CL CONST. W.	0 20 40 SECOND AVENUE	60	-60	-40 -20 ¢ CL CONST. W. SECOND AVE
125			STA. 35+20	120	
	R/W L 9.00'	PGL EL. 121.23	0.000 200		R/W 9.00' 9.00'
120				115	CONST. DROP CURB AND GUITER INDEX NO. 520-001
115	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		110	INDEX NO. 520-001
125			STA. 35+00	120	г PGL EL.
120	R/W 9.00'	PGL EL. 119.55 9.00'		115	R/W 9.00' 9.00'
120	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		110	CONST. DROP CURB AND CUITER INDEX NO. 520-001
125	R/W 9.00'	PGL EL. 121.19 9.00'	STA. 34+78.84	120	R/W 9.00' 9.00'
120				115	CONST. DROP CURB
115	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		110	CONST. DROP CURB AND GUTTER INDEX NO. 520-001
					PGL EL.
125	R/W 9.00'	PGL EL. 120.70 9.00' R/W	STA. 34+60	120	R/W 9.00' 9.00'
120		CONST. DROP CURB		115	CONST. DROP CURB AND GUITER INDEX NO. 520-001
115	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		110	
		- PGL EL. 121.15	STA. 34+40		R/W 9.00' 9.00'
125	R/W 9.00'	9.00'	317. 34740	120	
120	CONST. DROP CURB AND GUITER INDEX NO. 520-001	CONST. DROP CURB AND GUITER INDEX NO. 520-001		115	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001
115		SECOND AVENUE		110	CL CONST. W. SECOND AVE
-60	-40 -20	0 20 40	60	-60	-40 -20 0
		SIGN OFF CLIENT PM/CM BC PM/CM DM	DATE FIELD: PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD DESIGNED BY: MBG 3222 Corrine Drive.	MICHAEL GALURA ENGINEERING CONSULTANTS, LLC	TOWN OF WINDER PUBLIC WORKS DEPARTM
		PM CM CM	CHECKED BY: MBG Orlando, Florida 32	803 407/493–9983 THORIZATION NO. 29032	
REV. DATE	DESCRIPTION	APP'D BY OTHERS	DATE: NOVEMBER 2023		





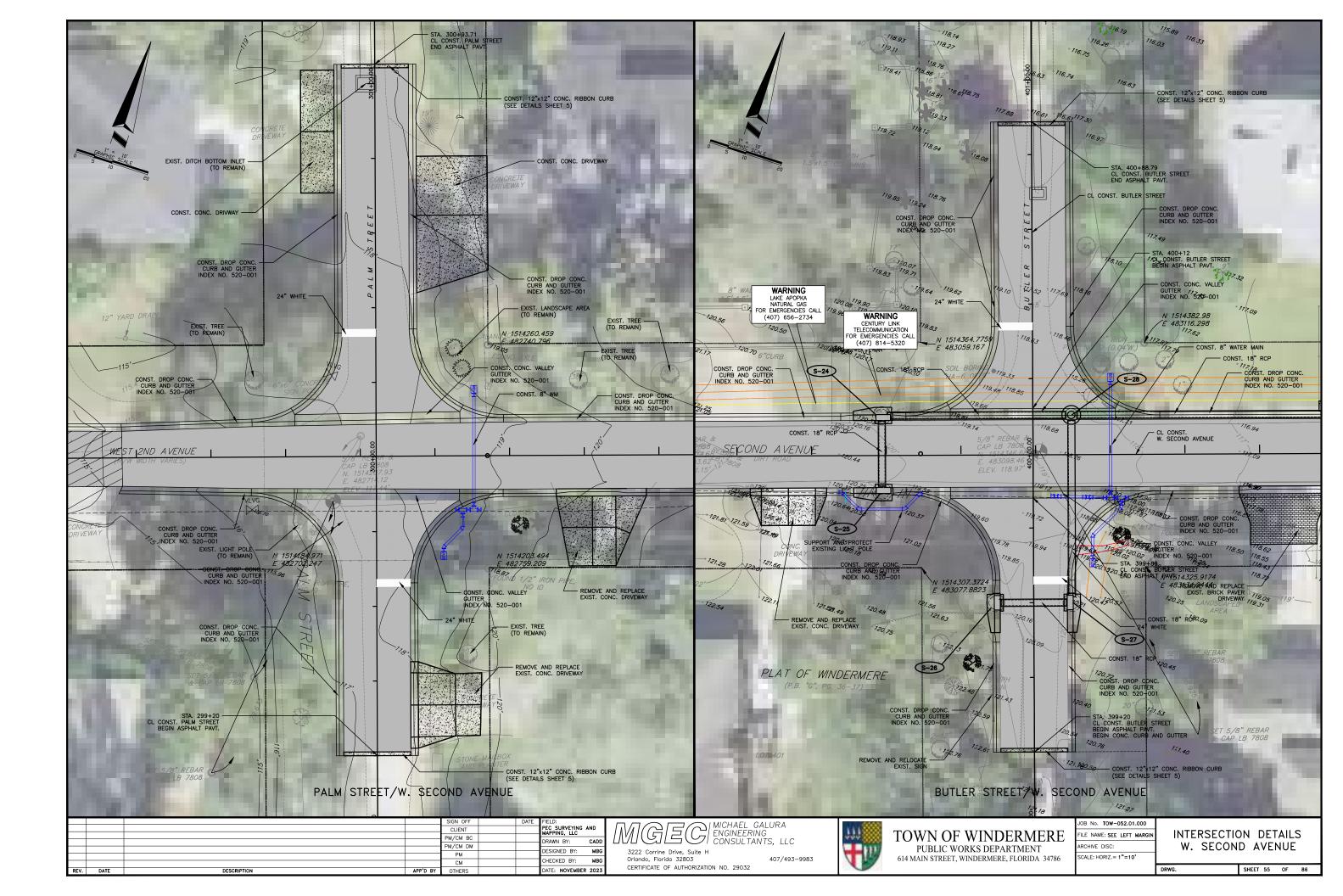
-60	-40 -20 0 CL CONST. W. SECOND	20 40	60	-60	-40 -20 0 CL CONST. W. SECOND AVEN
110		EL. 105.36	STA. 39+20	120	PGL EL.
	R/W 9.00' 9.0	00' R/W			R/W 9.00' 9.00'
105				115	CONST. DROP CURB
100	CONST. DROP CURB/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001		110	CONST. DROP CURB
			STA. 39+00		
110	PGI	L EL. 1105.55 R/W	517. 35100	120	R/W 9.00' 9.00'
105				115	
	CONST. DROP CURB AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001			CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100		INDEX NO. 520-001		110	
110		_ EL 105.85	STA. 38+80	120	
110	R/W 1- 9.00' 9.0	R/W			R/W 1 9.00' 9.00'
105				115	
	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001			CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100				110	
110		- EL 106.28 R/W	STA. 38+60	120	
110	R/W 9.00' 9.0				PGL EL. R/W 9.00' 9.00'
105				115	
	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001			CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100				110	
110		L EL. 106.82 R/W	STA. 38+40	120	
110	R/W 9.00' 9.0	00'		120	PGL_EL- R/W 9.00' 9.00'
105				115	
	CONST. DROP CURB -/ AND GUTTER INDEX NO. 520-001	CONST. DROP CURB AND GUTTER INDEX NO. 520-001			CONST. DROP CURB AND GUTTER INDEX NO. 520-001
100				110	INDEA NU. 520-001
	CL CONST. W. SECOND	AVENUE			CL CONST. W. SECOND AVE
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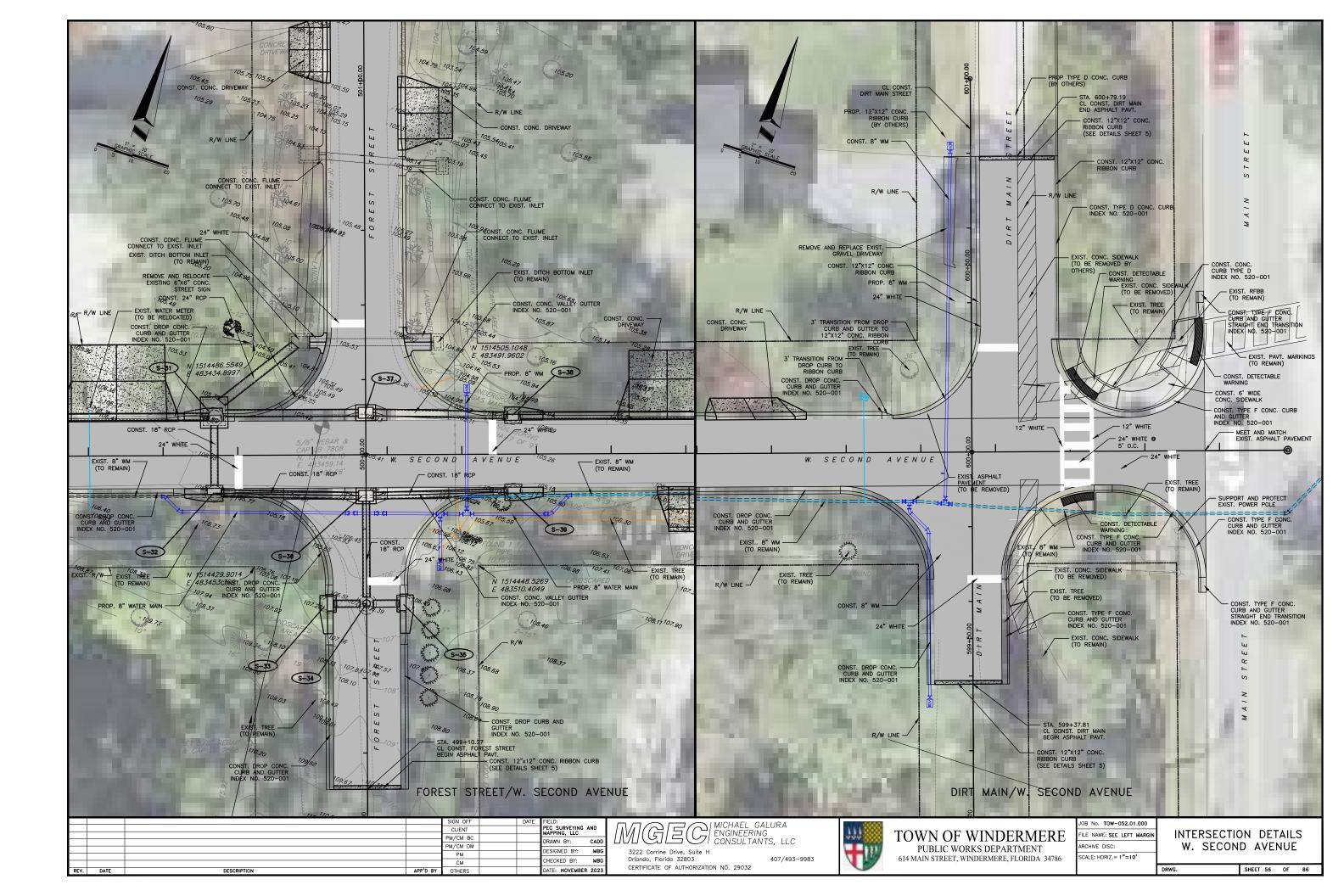


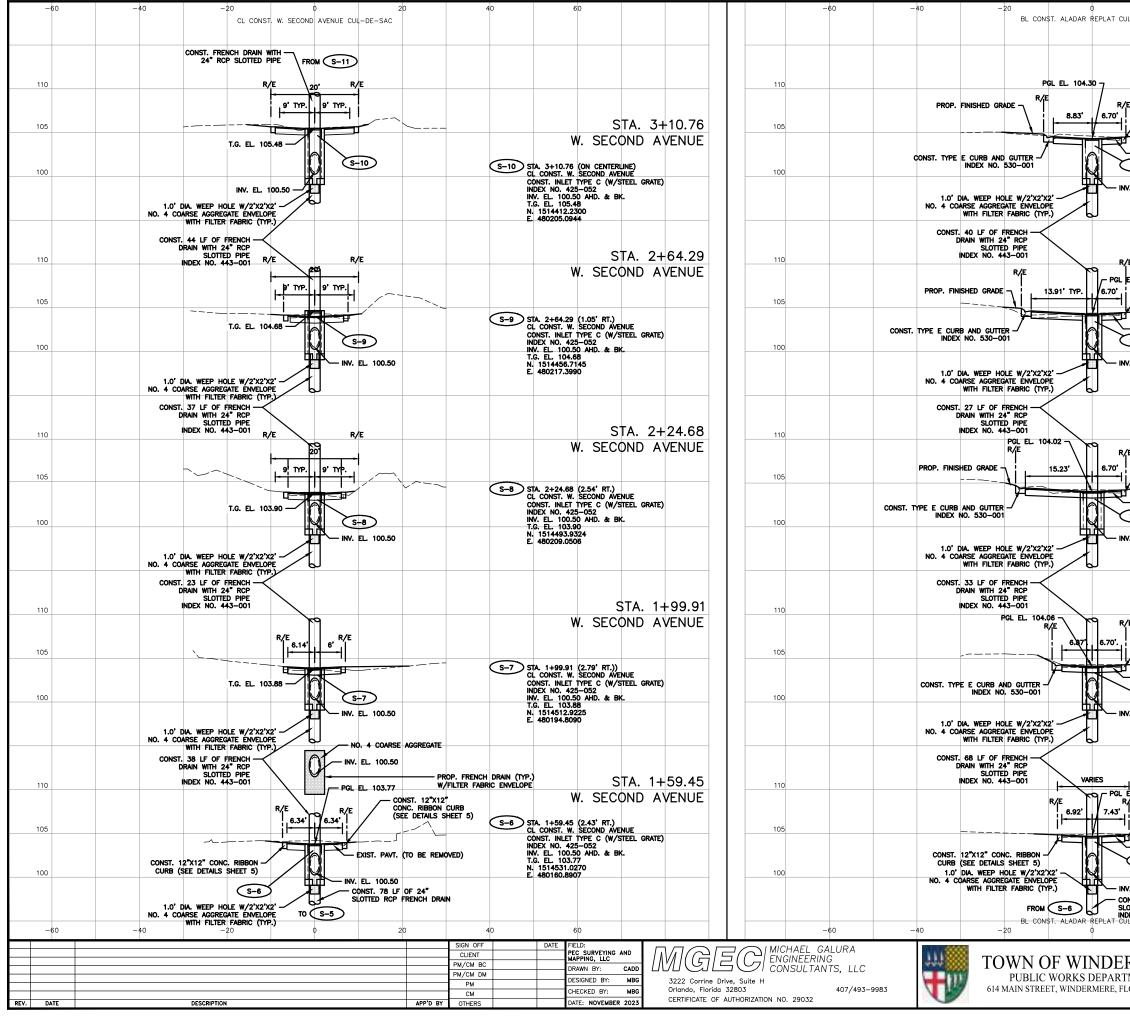


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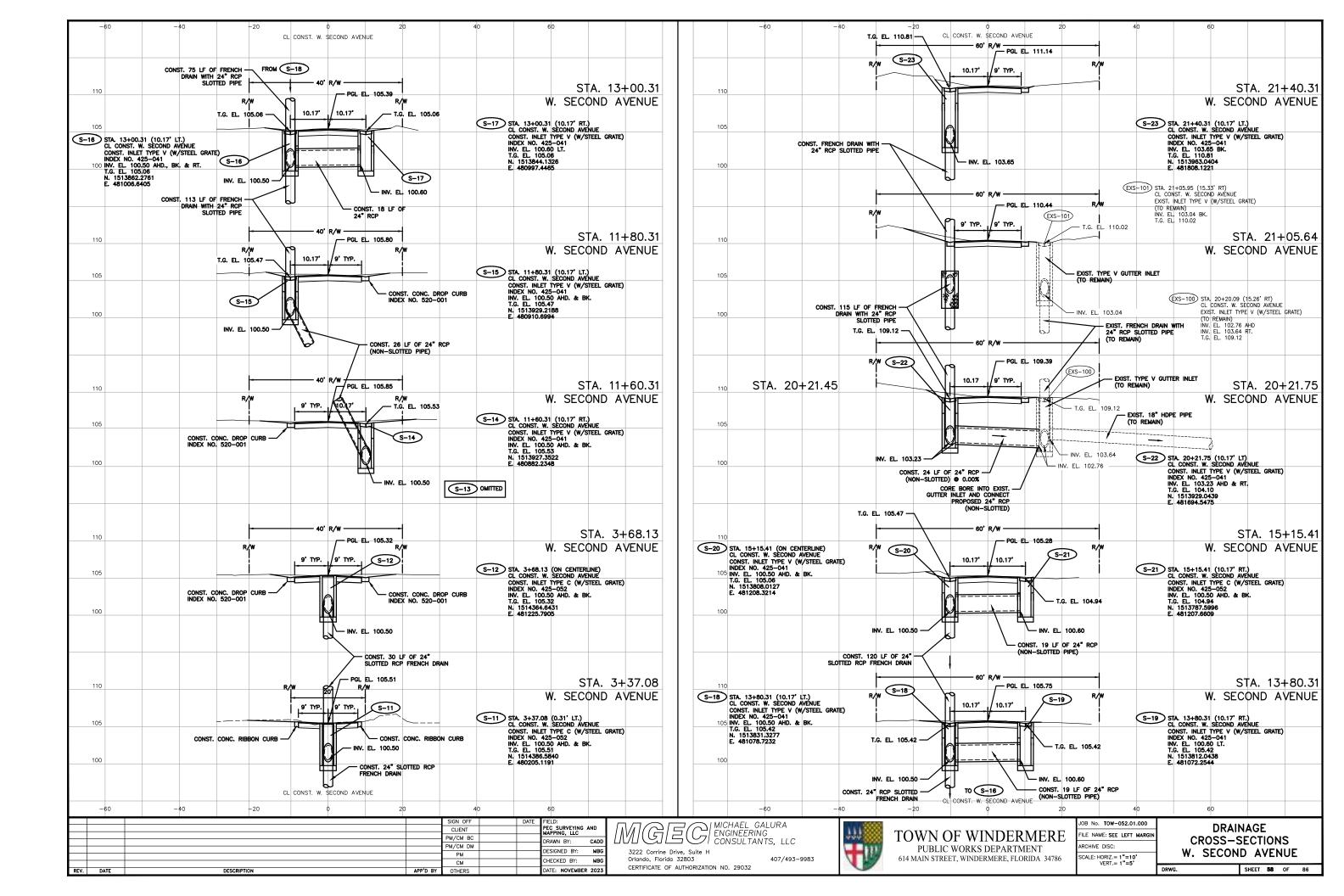
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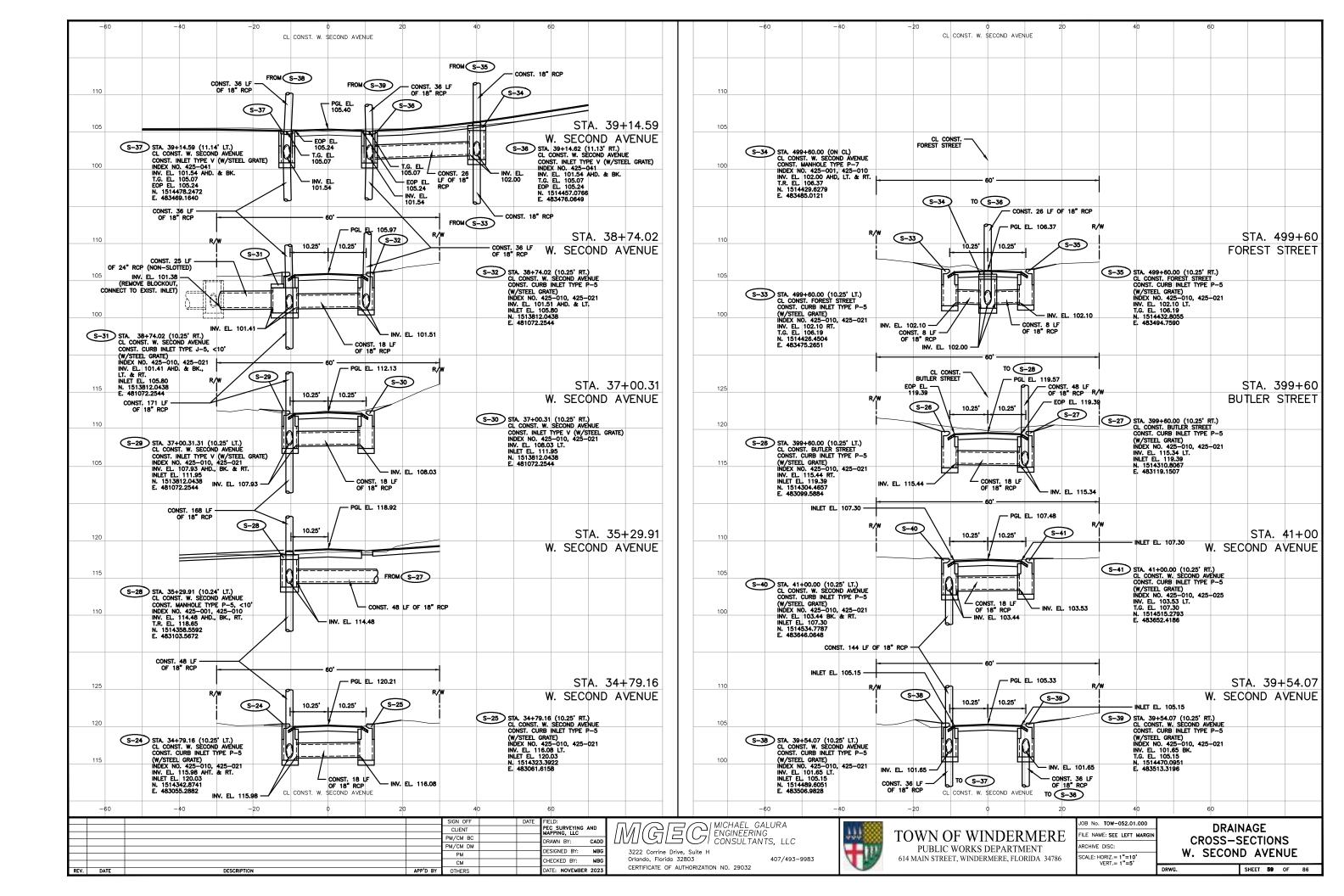






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ORANGE COUNTY UTILITIES DEPARTMENT ENGINEERING DIVISION 9150 CURRY FORD ROAD **ORLANDO, FLORIDA 32825** (407) 254-9900

WEST SECOND AVENUE WATER MAIN IMPROVEMENTS **MAIN STREET TO CUL-DE-SAC** WINDERMERE, FLORIDA **PROJECT NO. 22-1-152**

MARCH 2023

JERRY L. DEMINGS ORANGE COUNTY MAYOR

NICOLE H. WILSON COMMISSIONER, DISTRICT 1

CHRISTINE MOORE COMMISSIONER DISTRICT 2

MAYRA URIBE **COMMISSIONER DISTRICT 3**



MARIBEL GOMEZ CORDERO COMMISSIONER, DISTRICT 4

EMILY BONILLA COMMISSIONER, DISTRICT 5

VICTORIA P. SIPLIN COMMISSIONER DISTRICT 6

407/493-9983

INDEX OF DRAWINGS

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- **OCU COVER SHEET** 60
- **OCU GENERAL NOTES** 61
- **OCU SUMMARY OF PAY ITEMS** 62 63 **OCU PROJECT LAYOUT**
- WATER MAIN PLAN AND PROFILE W. SECOND AVENUE 64-71

DESCRIPTION

- AS-BUILT COORDINATE ATTRIBUTE ASSET TABLES 72
- 73-76 STANDARD DETAILS

OWNER: TOWN OF WINDERMERE CONTACT: ROBERT SMITH, TOWN MANAGER E-MAIL: rsmith@town.windermere.fl.us PHONE NO.: (407) 876-2563

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA. DIMENSION INFORMATION SHOULD NOT BE OBTAINED BY SCALING PLANS.

County Administrator: Byron W. Brooks, A.I.C.P. Director of Orange County Utilities Department: Ed Torres, M.S., P.E., Leed AP





3222 Corrine Drive, Suite H Orlando, Florida 32803 CERTIFICATE OF AUTHORIZATION NO. 29032 Inner

APPROVED 09/07/2023

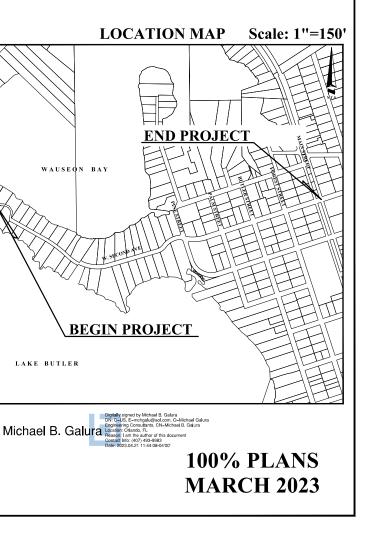
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Alexander Castro, P.E

FOR THE MANAGER, **ENGINEERING DIVISION** ORANGE COUNTY UTILITIES DEPARTMENT

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS

PLANS EXPIRE 09/07/2024



GENERAL NOTES

ALL WORK AND REQUIREMENTS FROM THE NOTES IN THIS PAGE SHALL BE A REQUIREMENT OF THE CONTRACT AND EXECUTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO ORANGE COUN

- ALL UTILITIES FACILITIES CONSTRUCTION CONNECTING TO THE ORANGE COUNTY PUBLIC UTILITIES SYSTEM SHALL CONFORM TO THE ORANGE COUNTY UTILITIES STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL, AND BE ONE OF THE APPROVED PRODUCTS LISTED IN APPENDIX 'D' OF THE ORANGE COUNTY UTILITIES STANDARDS AND CONSTRUCTION SPECIFICATION MANUAL (LATEST EDITION).
- 2. THE UTILITIES IMPROVEMENTS AND ADJUSTMENT SHOWN ON THESE DRAWINGS ARE INTENDED TO MAINTAIN THE INTEGRITY OF THE ORANGE COUNTY WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS. THE DRAWINGS DO NOT INCLUDE WORK PERFORMED ON, OR FOR UTILITY SYSTEMS OWNED BY OTHERS, UNLESS STATED OTHERWISE ON THE DRAWINGS.
- COORDINATION AND COMMUNICATIONS WITH ORANGE COUNTY STAFF SHALL BE MADE THROUGH THE ORANGE COUNTY UTILITIES CONSTRUCTION DIVISION INSPECTOR.
- 4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ORANGE COUNTY UTILITIES DISPATCH (EMERGENCY ONLY) IN THE EVENT OF UTILITY MAIN BREAK OR DAMAGE AT 407-836-2777
- 5. THE ORANGE COUNTY UTILITIES CONSTRUCTION DIVISION SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY, OR PRIOR TO ANY ACTIVITY REQUIRING THE PRESENCE OF OR AN ACTION BY UTILITIES STAFF SUCH AS SCHEDULING VALVE OPERATION, PRESSURE TESTING, PIPE CONNECTION, PUMI STATION OPERATIONS OR SHUTDOWNS, ETC.
- 6. WATER, WASTEWATER AND RECLAIMED WATER VALVES, PUMP STATIONS OR OTHER UTILITY INFRASTRUCTURE ARE TO BE OPERATED ONLY BY ORANGE COUNTY UTILITIES PERSONNEL. ALL VALVES BEING INSTALLED ARE TO REMAIN CLOSED DURING CONSTRUCTION.
- 7. ORANGE COUNTY UTILITIES DEPARTMENT TELEPHONE NUMBERS:

407-836-2777 ORANGE COUNTY UTILITIES DISPATCH 407-350-2777 ORANGE COUNTY OTILITIES DISPATCH 407-254-9980 ORANGE COUNTY UTILITIES CONSTRUCTION DIVISION 407-254-9850 ORANGE COUNTY UTILITIES WATER RECLAMATION DIVISION 407-254-9850 ORANGE COUNTY UTILITIES WATER DIVISION 407-254-9900 ORANGE COUNTY UTILITIES ENGINEERING DIVISION

- 8. SUPPORT AND PROTECT ALL EXISTING UTILITIES, CONTRACTOR SHALL CONTACT UTILITY OWNERS FOR LOCATION OF ALL EXISTING FACILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH UTILITY OWNERS AND FOR PROVIDING TEMPORARY SUPPORT FOR THE UTILITY POLES, ANCHOR GUYS, AND ALL OTHER UTILITIES DURING CONSTRUCTION.
- 9. IMMEDIATELY AT ONSET OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, SEWER, RECLAMBED WATER, POWER, TELEPHONE, GAS, PIBER OPTIC AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS IN A WRITTEN REPORT, ANY CONFLICTS SHALL BE REPORTED TO ENGINEER/OWNER IMMEDIATELY UPON DISCOVERY AND DETAILED IN THE REPORT.
- 10. CONTRACTOR SHALL COORDINATE WITH ALL OTHER UTILITY OWNERS FOR RESOLUTION OF CONFLICTS CONTRACTOR SHALL HAVE 48 HOURS TO DETERMINE THE RESOLUTION OF ANY UNKNOWN OF UNFORESEEN CONFLICTS, COSTS INCURRED SHALL BE BORNE BE DRIVE THE RESOLUTION OF ANY UNKNOWN OR UNFORESEEN CONFLICTS, COSTS INCURRED SHALL BE BORNE BY THE UTILITY OWNER AND/OR CONTRACTOR AND NO CLAIMS MAY BE MADE AGAINST ORANGE COUNTY OR THE ENGINEER FOR THESE CONFLICTS. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THE PERIOD OF TIME TO RESOLVE ANY CONFLICTS.
- 11. ALL MAIN REPAIRS TO BE COMPLETED IMMEDIATELY BY THE CONTRACTOR, AT THE CONTRACTOR'S COST. THE MAIN IS NOT REPAIRED IN A TIMELY MANNER, AS DETERMINED BY THE OCU INSPECTOR, ORANGE COUNTY UTILITIES PERSONNEL MAY REPAIR MAIN AND THE CONTRACTOR WILL BE BACK CHARGED FOR REPAIRS.
- 12 USE EXTREME CAUTION WHEN EXCAVATING OR CONNECTING TO ASBESTOS CEMENT PIPE. THE CONTRACTOR USE EXTREME CADITION WHEN EXAMATING ON CONNECTING TO ASSESTOR CEMENT PIPE. THE CONTACTOR WILL BE REQUIRED TO SUPPLY TRUCKS CAPABLE OF PUMPING OUT THE PUMP STATION UPSTREAM FROM BREAKS OR CONNECTION POINT. WHEN CONNECTING TO ASBESTOR CEMENT WATER MAIN OR FORCE MAIN THE CONTRACTOR IS REQUIRED TO REPLACE ANY DAMAGED LENGTHS OF PIPE. THE AMOUNT OF REPLACED PIPE WILL BE DETERMINED BY THE ORANGE COUNTY UTILITIES INSPECTOR.
- 13. ALL EXISTING AND NEW OCU WATER AND SEWER VALVES, VALVE BOXES, AND MANHOLES SHALL BE PROTECTED AND ADJUSTED TO FINISHED GRADE AS SHOWN ON THE DRAWINGS. VALVE AND VALVE BOXES SHALL REMAIN ACCESSIBLE AT ALL TIMES. ANY VALVES THAT MIGHT BE COVERED DURING CONSTRUCTION SHALL BE MARKED WITH A MARKER (GREEN FOR SEWER, BLUE FOR WATER, AND PURPLE FOR RECLAIMED WATER MAN). A MINIMUM OF FOUR (4) FEET ABOVE GRADE ALL VALVES UNDER CONSTRUCTION ARE TO REMAIN CLOSED DURING CONSTRUCTION
- 14. ALL PVC WATER AND SEWER MAIN AND RECLAIMED WATER MAIN SHALL CONFORM TO AWWA C900, DR 18, OR C905, DR 25. ALL DUCTILE IRON WATER MAIN PIPE SHALL CONFORM TO ANSI/AWWA A21.51/C151. ALL PVC PRESSURE PIPE SHALL USE DUCTILE IRON FITTINGS.
- 15. ALL PROPOSED DUCTILE IRON MECHANICAL JOINT FITTINGS, PIPES, OR PIPE RESTRAINTS WITHIN FORTY (40) FEET OF EXISTING GAS MAINS SHALL BE POLYETHYLENE ENCASED.
- 16. ALL BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DRY DENSITY AS MEASURED BY AASHTO T-180 METHOD 'D' TEST (MODIFIED PROCTOR) IN OPEN AREAS AND TO NOT LESS THAN 98% MAXIMUM AASHTO THO THO HOLD TEST (MOUTHED PROCTOR) IN OPEN AREAS AND TO NOT USS THAN 95% MRAMMOM DRY DENSITY AS MEASURED BY AASHTO TH30 METHOD 'D' TEST (MODIFIED PROCTOR) UNDER ASPHALT OR CONCRETE PAVEMENT AND WITHIN 3-FT OF PAVEMENT. ALL SOLI TESTING TO BE CONDUCTED BY THE COUNTY. THE CONTRACTOR SHALL PROVIDE ALL REASONABLE ASSISTANCE DURING SOLI TESTING.
- 17. PIPE LENGTHS SHOWN ON PLANS ARE APPROXIMATE. ACTUAL LENGTHS ARE TO BE DETERMINED DURING CONSTRUCTION.
- 18. ALL NORTHING AND EASTING COORDINATES ARE BASED ON THE STATE PLANE COORDINATE SYSTEM. STATIONING IS FOR REFERENCE ONLY.
- 19. MAINTAIN EMERGENCY VEHICLE ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES.
- 20. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALTERNATE ACCESS ROUTES WHICH ARE SUBJECT TO APPROVAL BY THE ENGINEER, AS PART OF THE M.O.T. PLAN.
- 21. LOCAL RESIDENTIAL ACCESS SHALL BE MAINTAINED AT ALL TIMES. PROVIDE WRITTEN NOTIFICATION TO RESIDENTS SEVEN (7) DAYS PRIOR TO IMPLEMENTING ANY ROADWAY OR DRIVEWAY CLOSURE.
- 22. ALL EXCAVATIONS SHALL BE BACK FILLED AT THE END OF EACH WORK DAY.
- 23. ALL PIPES SHALL BE RESTRAINED IN ACCORDANCE WITH THE RESTRAINT TABLES SHOWN ON THE DETAIL SHEETS. IN ADDITION, ALL FITTINGS SHALL BE MECHANICAL JOINT RESTRAINED. NO THRUST BLOCKS SHALL BE PERMITTED. RESTRAIN EXISTING PIPE WHERE REQUIRED IN ACCORDANCE WITH THE RESTRAINT TABLES AND THRUST COLLAR DETAIL.

24. PIPE SIZES SHOWN ON PLANS ARE NOMINAL DIAMETER.

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25. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DE-WATERING REQUIRED DURING CONSTRUCTION AND TO

OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR THE TEMPORARY DE-WATERING

- 26. REPLACEMENT WATER SERVICE CONNECTIONS SHALL INCLUDE THE REPLACEMENT OF THE EXISTING WATER METER BOXES WHICH ARE TO BE PROVIDED BY ORANGE COUNTY UTILITIES AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH COUNTY FOR THE SPECIFIC INSTALLATION LOCATION OF METER BOXES, FOR REROUTING WATER SERVICE ON PRIVATE PROPERTY THE CONTRACTOR SHALL RELOCATE EXISTING METERS TO NEW METER BOXES WHERE INDICATED ON THE DRAWINGS.
- 27. THE CONTRACTOR SHALL INSTALL LONG WATER SERVICE CONNECTION PIPING UNDER PAVEMENT USING TRENCHLESS CONSTRUCTION METHODS. WATER SERVICE CONNECTIONS CROSSING UNDER ANY PART OR ALL OF ROADS SHALL BE INSTALLED IN A PVC CASING PIPE
- 28. WHERE SHOWN ON THE PLANS, LINE STOPS WILL BE USED TO ISOLATE PORTIONS OF THE EXISTING MAINS. THE ORANGE COUNTY INSPECTOR SHALL BE NOTIFIED 72 HOURS IN ADVANCE OF LINE STOP INSTALLATION.
- 29. ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE BY THE CONTRACTOR ONLY AFTER THE PROPOSED CONNECTION PROCEDURE AND WORK SCHEDULE HAVE BEEN REVIEWED AND ACCEPTED BY THE OWNER. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE OWNER A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO SCHEDULING ANY CONNECTIONS. THE REQUEST SHALL REFERENCE THE PROFESSIONAL LAND SURVEYOR CERTIFIED COMPLETED AS BUILT RECORD DRAWINGS PREVIOUSLY SUBMITTED AND SHALL OUTLINE
 - A. POINTS OF CONNECTION, FITTINGS TO BE USED, METHODS OF FLUSHING AND DISINFECTION AND VERIFICATION OF RESTRAINT ON EXISTING PIPE.

B. ESTIMATED CONSTRUCTION TIME FOR THE CONNECTIONS.

THE OWNER SHALL REVIEW THE SUBMITTAL WITHIN FIVE (5) WORKING DAYS AFTER RECEIVING IT AND INFORM THE CONTRACTOR REGRING APPROVAL OR DEVIAL OF THE REQUEST THE RECURING IT AND INFORM THE CONTRACTOR REGRING APPROVAL OR DEVIAL OF THE REQUEST THE THE OWNER RELECTS THE REQUEST, THE CONTRACTOR SHALL RESUBNIT THE REQUEST MODIFYING IT IN A MANNER ACCEPTABLE TO THE OWNER, ALL CONNECTIONS SHALL ONLY BE MADE ON THE AGREED UPON DATE AND TIME. SHOULD THE CONTRACTOR NOT INITIATE AND COMPLETE THE CONNECTION WORK IN THE AGREED UPON MANNER, HE SHALL BE REQUIRED TO RESCHEDULE THE CONNECTION BY FOLLOWING THE PROCEDURE OUTLINED ABOVE.

THE CONTRACTOR SHALL NOT OPERATE ANY VALVES IN THE SYSTEM.

- MAINS SHALL NOT BE PLACED IN SERVICE UNTIL CLEARANCE IS RECEIVED FROM FDEP. DO NOT CONNECT ANY PROPOSED WATER MAIN TO ANY EXISTING WATER MAIN UNLESS CLEARED BY FDEP. AS-BUILT DRAWINGS MUST BE COMPLETED AND SUBMITTED PRIOR TO WATER MAIN CHLORINATION.
- 30. ALL EXISTING VALVES, VALVE BOXES, ARV'S AND VAULTS, AND FIRE HYDRANTS LOCATED ON PIPE DESIGNATED TO BE ABANDONED (OR RETIRED IN PLACE) SHALL BE REMOVED AND DISPOSED OF OR SALVAGED IN ACCORDANCE WITH THE SPECIFICATIONS.
- 31. PROTECT EXISTING IMPROVEMENTS TO THE MAXIMUM EXTENT POSSIBLE. RESTORE ALL EXISTING IMPROVEMENTS AND DISTURBED AREAS TO ORIGINAL CONDITION. PAVEMENT TO BE RESTORED IN ACCORDANCE WITH THE PAVEMENT RESTORATION DETAILS SHOWN ON THE CONSTRUCTION DETAIL SHEETS. ALL DAMAGED MAILBOXES, IRRIGATION SYSTEMS, SOD, LANDSCAPING, FENCING, SIDEWALK, ROADWAY PAVEMENT AND OTHER IMPROVEMENTS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 32. FOR ALL COUNTY ROADS TO BE OPEN CUT, THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC (MOT) PLAN CONFORMING TO ORANGE COUNTY RIGHT-OF-WAY UTILIZATION REGULATIONS TO ORANGE COUNTY PUBLIC WORKS A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO ANY WORK WITHIN COUNTY RIGHT-OF-WAY, A COPY OF THIS PLAN SHALL ALSO BE SUBMITTED TO THE ENGINEER AND UTILITY COUNTY INSPECTOR. NOTIFY THE COUNTY ENGINEER 48 HOURS PRIOR TO ANY OPEN CUT OF ROADWAYS WITHIN THE COUNTY RIGHT-OF-WAY, TWO WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING THE COURSE OF CONSTENTION. MINITAIN A ST OF COUNTY ADDROUGH CONSTENTION FOR ANY ADDROUGH CONSTENTION FOR ANY ADDROUGH AND ANY ANY TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING THE COURSE OF CONSTENTION. MINITAIN A ST OF COUNTY ADDROUGH CONSTENTION FOR MOST PLANS AT THE CONSTENTION. CONSTRUCTION. MAINTAIN A SET OF COUNTY APPROVED CONSTRUCTION PLANS AND MOT PLANS AT THE CONSTRUCTION SITE AT ALL TIMES WHEN WORKING WITHIN THE COUNTY RIGHT-OF-WAY.
- 33. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN IN THE PLANS AS REPRESENTED BY THE SURVEYOR AT IEROFINIARL COSTRUCTS AND ELEVATIONS AND SHOWN IN THE FLANS AS REFRESENTED BY THE SORVETOR AT THE TIME OF SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT THE TIME OF CONSTRUCTION AND NSTALL HIS OWN TEMPORARY BENCHMARKS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OCU UTILITIES INSPECTOR.
- 34. NO VALVE BOXES, METERS, PORTIONS OF MANHOLES, OR OTHER APPURTENANCES OF ANY KIND RELATING TO ANY UNDERGROUND UTILITIES SHALL BE LOCATED IN ANY PORTION OF A CURB-AND-GUTTER SECTION. CONTRACTOR SHALL ADVISE ENGINEER IMMEDIATELY UPON DISCOVERY OF A POTENTIAL CONFLICT.
- 35 WHERE REQUIRED AT NO ADDITIONAL COST TO THE COUNTY THE CONTRACTOR SHALL USE TEMPORARY WHERE REQUIRED, AT NO ADDITIONAL COST TO THE COUNTY, THE CONTRACTOR SHALL USE TEMPORARY SHEETING OR TRENCH BOXES TO MINIMIZE THE SIZE OF EXCAVATIONS AND PROTECT EXISTING ROADWAYS, UTILITIES AND OTHER FACILITIES OR AS NEEDED TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. CONTRACTOR TO COMPLY WITH OSHA TRENCH SAFETY REQUIREMENTS AT ALL TIMES.
- 36. ALL EXISTING MAINS SHALL REMAIN IN SERVICE UNTIL THE PROPOSED MAIN(S) ARE ACCEPTED FOR SERVICE AND ALL SERVICES ARE TRANSFERRED TO THE MAIN(S).
- 37. CONTRACTOR SHALL APPLY FOR AND SECURE ALL NECESSARY PERMITS FROM STATE. COUNTY, AND LOCAL MUNICIPALITIES. PERMITS SHALL INCLUDE, BUT NOT BE LIMITED TO, RIGHT OF WAY USE, CONSTRUCTION, BUSINESS LICENSE. AND DEWATERING.
- 38. FOR PVC PIPE, NO HORIZONTAL/VERTICAL PIPE DEFLECTION WILL BE ALLOWED. CONTRACTOR SHALL USE FITTINGS TO OBTAIN THE REQUIRED CLEARANCES, ON DUCTILE IRON PIPE, CONTRACTOR SHALL NOT EXCEED 75% OF THE MANUFACTURES RECOMMENDATION FOR PIPE DEFLECTION, OTHERWISE USE FITTINGS TO OBTAIN REQUIRED CLEARANCES. ALL FITTINGS SHALL BE ADDED TO THE COORDINATE ASSET ATTRIBUTE TABLE.
- 39. THE DISPOSAL OF ANY EXCESS EARTH WORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER SALVAGE AND/OR DISPOSAL OF ALL MATERIALS AND EQUIPMENT IN ACCORDANCE WITH THE SPECIFICATIONS AND AS DIRECTED BY THE ORANGE COUNTY UTILITIES INSPECTOR
- 41. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION AND ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL FURNISH ADDITIONAL CONTROLS AS NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF PERIMETER AREAS OR IN WATERWAYS. SILK SCREENS, HAY BALES, AND TURBIDITY BARRIERS MUST REMAIN IN PLACE AND IN GOOD CONDITION AT ALL LOCATIONS IN PLANS OR AS REQUIRED UNTIL THE CONTRACT IS COMPLETED AND SOILS ARE STABILIZED AND VEGETATION IS ESTABLISHED. APPROVED 09/07/2023 MEASURES SHOWN ON THE PLANS ARE MINIMUM REQUIRED, AND THE CONTRACTOR SHALL ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS IN TURBID WATERS TO OFF SITE
- (at 42. THE PROJECT SHALL BE CONSTRUCTED SEQUENTIALLY IN THREE GENERAL CONSTRUCTION PHASES AS DETAILED ON SHEET G-4 AND AS EXPLAINED IN SPECIFICATION SECTION 01010 - SUMMARY OF WORK. Alexander Castro, P.E.

43. REFER TO OUC'S GENERAL NOTES, FIGURE GN, APPENDIX A, OF THE OCU STANDARDS AND SPECIFICATIONS MANUAL (2021) FOR SUPPLEMENTAL GENERAL NOTES (SEE THIS SHEET). FOR THE MANAGER.

ENGINEERING DIVISION ORANGE COUNTY UTILITIES DEPARTMENT

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THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS. OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.

MGEG Inichael galura engineering consultants ORANGE COUNTY PEC SURVEYING AND MAPPING, LLC ORANGE CLIENT РМ/СМ ВС UTILITIES DEPARTMENT RAWN BY CADE CONSULTANTS. LLC PM/CM DM Client) 9150 CURRY FORD ROAD DESIGNED BY: мв 3222 Corrine Drive, Suite H PM Orlando Elorida 32803 407/493-9983 ORLANDO, FLORIDA 32825 HECKED BY: мв СМ (407) 254-9900 APP'D BY CERTIFICATE OF AUTHORIZATION NO. 29032 DESCRIPTION DATE MARCH 2023 OTHERS

- SPILL NOTES
- NUMBERS

DAMAGE NOTIFICATION:

- IMMEDIATE REPAIR:

APPENDX A **OCU GENERAL NOTES** THE DONTRACTOR 344U, SIGROSE EXTREME CAUTION WHEN EXCAUNTING IN PROXIMITY OF NEULIDING RUT NOT LINTED TO, WATER NAMES, WATERIATER FORCE MANUE ORANTY MARKS RECLARED WATER MANNE THEOTRIC DAS, CARE DY, TELECOMMUNICATIONS STORM WATER FORM DITE, AND OTHER UNDERSTRAIN FACULTES, WAN LOCATIONS SHORE ON PANIS MAY NOT BE CARD. THE ONTRACTOR & RESPONSED FOR LEAST IS CALENDAR DAYS PRICE TO COMMENCEMENT OF THE CONSTRUCTION PROJECT BY CALENS AND 254 1294 JAKATHE. THE CONTRACTOR SHALL NOTIFY THE DOL CONTRACTION INFECTOR IN ADDIREGENCE WITH THEE STREE UTILITIES SCREENLE OF NOTIFICATIONS INTRE MANYAL. THE MATERIALS, HIGDLOTS, AND CONSTRUCTOR OF ALL UTILITIES CONNECTIVO TO THE COD SYSTEM SHALL BE IN CONFORMACE WITH THE STREAM FORCE, CONSTRUCTION INFECTION TOOL AND APPENDED TO THE MANA. ALL EXISTING UTILITIES INCLUDIES BUT NOT LIMITED TO: WATER MANS, FORCE MANS, RECLAMED WATER MAN. ñ.,

- WITH FITTINGS.

- 14
- EXPENSES ASSOCIATED WITH THE REPAIR.

ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

1. THE CONTRACTOR SHALL PROVIDE TANKERS AND SIGNED DOCUMENTS ACKNOWLEDGING THE UNDERSTANDING OF THE ORANGE COUNTY UTILITY "EMERGENCY WASTEWATER SPILL AND WATER MAIN BREAK PROCEDURES", IN THE PRE-CONSTRUCTION PACKET FOR THE MEETIN

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ON-SITE DURING THE LIFE OF THE PROJECT A WEATHER PROOF ENCLOSURE CONTAINING A READILY ACCESSIBLE LIST OF EMERGENCY CONTACTS AND PHONE

EMERGENCY WASTEWATER SPILL, WATER MAIN, RECLAIMED WATER MAIN BREAKER PROCEDURES

THE ORANGE COUNTY UTILITY DISPATCH OPERATOR (407-836-2777) SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT OF A FORCE MAIN, GRAVITY SEWER, OR RECLAIMED WATER MAIN BREAK OR DAMAGE.

2. ALL DAMAGE TO ORANGE COUNTY'S MAIN SHALL BE REPAIRED IMMEDIATELY WITHOUT DELAY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF THE REPAIR IS NOT MADE IN A TIMELY AND APPROVED MANNER, AS DETERMINED BY THE ORANGE COUNTY UTILITIES INSPECTOR, ORANGE COUNTY MAY PERFORM THE REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR THE REPAIRS.

ETANDARD DRAWINGS

SANTARY CRAVITY PRES, STORM WATER PRES, ELECTRIC, TELEPHONE, GAS, POLITI AND STAYS, CARLE TY AND OTHER UTLITY FACULTIES WITHIN THE LIBITS OF THE PREJECT WILL BE SUPPORTED AND PROTECTED ADAMST

THE CONTRACTOR SHALL ADJUST ALL EXISTING OCU MAINS AND FACILITIES IN CONFLET WITH NEW GRADE, NEW OR ALTERED ROADWAYS, SEEMALKS, OWNEWAYS, CURBS, OR STORM VATER AIPHOVEMENTS, OCU FACUTIES TO BE ADJUSTED NOLUDE, BUT ARE NOT LIMITED TO: PRELINES, PLMP STATEMS, VALVE POXES, AR RELEASE VALVES, THE INDEWITS, WARNELE CONTROL AND METERS ALL ADJUSTMENTS SHALL BE MADE TO OURDENT

ONLY DOLI FERIONALI, DRIVATE ENGINE DOLI WATER, WATEWATER, AND RECLARED WATER WAVES. THE CONTRACTOR IS RESPONSIBLE FOR OPERATING ANY NEWLY INSTALLED WAVE THAT HAS NOT DEEN CLEARED FOR USAGE BY FEEP AND DOLI THE CONTRACTOR SHALL COORDINATE VALUE OPERATION WITH THE CUNERCOTOR, FOR OPERATION OF BASIS NOT OWNED BY OCU, IT IS THE CONTRACTOR'S RESPONSELLY TO COORDINATE WITH THE ARPROPRIATE LITILITY REPRESENTATIVE.

COMPARENT IN THE PRESENCE LIKE AND THE PRESENCE AND THE APPROVED INTERNATION OF SERVICE WITH THE CONTRACTOR SHALL CONDUCTORS AND THE APPROVED INTERNATIONS OF SERVICE WITH THE CONTRACTOR SHALL CONDUCTORS AND WRITTEN NOTICE SHALL BE GARN TO APPETED ULI INSECTION OF A VOID AND THE APPROVED AP

THE CONTRACTOR SHALL PROVED FOR BYPARENCE AND I OR HALLING OF WARTSWATER DURING APPRCNED III. THE CONTINUETOR SHALL PROVIDE FOR INFRAEING, AND JOH HALLPOLDF WARRING, THE DURING APPENDIE INTERNIETORS OF INISTEMATER FLOWS AND CONNECTORS. THE CONTINUETOR SHALL SHART A APPENDIX HALL PLAY, REVIEWED AND APPROVED BY A PROPERSIONAL ENGINEER TO DCU DEVELOPMENT ENGINEERING AND TO THE INAPECTOR FOR APPROVE RED TO INFLEMENTATION BY CONTINUETOR. HELDRATE REDURES IN ALL WALES INSTALLED AS SHART OF THE CONSTRUCTOR FROM CONTENT REMAIN CLOSED DURING CONSTRUCTION. HEEP WALVES ON ALL WET TAPS CLOSED UNTER CLEANED BY FEER OD NOT CONNECT NEWLY.

CONSTRUCTED WITH MANN TO ANY DOCTOR WATCH MAN DURING COLLEGED BY FOR ADDRY CONNECTION WATCH CONNECTION STRUCTED WITH MANN TO ANY DOCTOR WATCH MANN TO MAN DURING TOWARD WATCH MANN TO MAN TO MANN TOWARD TO MAN TO MAN DURING TOWARD WATCH MAN TO ANY DOCTOR TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TO ANY DURING TOWARD TO AN EXISTING POTABLE WATCH CONNECTION FOR ANY DURING TO ANY D 13. FOR FVC FPE, NO JOINT DERUGTION OR FIPE BENERIES IS ALLOWED, AUDINEDYT CONVECTIVANCE DIALL BE INADE DRUT

WITHFITTIONS. 14. FOR GP PAPEL LONG RADUE CURVES, EITHER HORIZONTAL, OR VERTICAL, MAY BE INSTALLES WITH STANDARD PAPE BY DEFLECTIONS AT THE JOINTS MAXIMUM DEFLECTIONS AT PAPE JOINTS. FITTINGS AND LAVING RADUES FOR THE WARKS FOR LONGTHS SHALL NOT EXCEED IN REDSOLT OF THE PAPE MARLEACTUREPTS RECOMMENDATION. 15. FOR APPROVED FOR ON HOPE PAPE USED IN A HORIZONTAL DIRECTIONAL DIREL INITIAL ATION. THE LLIKWITURE

CARTERIES ADDOLATED WITH THE REPARC THE CONSIGNED AND LIKE LAKE FOR ANY AND ALL SANITARY BEVEN OVERFLOWS (SHEE) ADDOLATED WITH THE WORK, REGARDLESS OF FAULT. THE CONTRACTOR WALL BE ADDOLATED FOR ANY AND EACH SED AS RECOVED IN DECTION 31 IL SENERAL CONSTRUCTION REQUIREMENTS.

FIGURE GN 10/10/2021

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SCALE: NONE

GENERAL NOTES

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SHEET 61 OF 86

			QUANTI	TY TOTAL
PAY ITEM NO.	DESCRIPTION	UNIT	PLAN	FINAL
1050-11-221	F&I WATER MAIN, 4" RESTRAINED JOINT, COMPLETE INCLUDING FITTINGS	LF	440	
1050-11-423	F&I WATER MAIN, 8" DUCTILE IRON, COMPLETE INCLUDING FITTINGS	LF	2,341	
1050-16-221	REMOVE AND DISPOSE OF EXISTING 4" WATER MAIN	LF	368	
1050-16-222	REMOVE AND DISPOSE OF EXISTING 6" WATER MAIN	LF	1,859	
1050-16-223	REMOVE AND DISPOSE OF EXISTING 8" WATER MAIN	LF	466	
1051-4	REPLACE 1" WATER SERVICE LATERAL, SHORT SIDE	EA	22	
1051-5	REPLACE 1" WATER SERVICE LATERAL, LONG SIDE	EA	19	
1080-24-104	F&I GATE VALVE ASSEMBLY, 4", COMPLETE	EA	2	
1080-24-106	F&I GATE VALVE ASSEMBLY, 6", COMPLETE	EA	3	
1080-24-108	F&I GATE VALVE ASSEMBLY, 8", COMPLETE	EA	38	
1080-25-104	F&I 4" BLOWOFF ASSEMBLY, COMPLETE (PERMANENT)	EA	1	
1080-25-108	F&I 8" BLOWOFF ASSEMBLY, COMPLETE (TEMPORARY)	EA	9	
1080-25-600	BLOWOFF ASSEMBLY, REMOVE	EA	1	
1080-26-108	F&I AIR RELEASE VALVE ASSEMBLY, 8", COMPLETE	EA	3	
1080-27-104	UTILITY FIXTURE, LINE STOP ASSEMBLY, FURNISH AND INSTALL, 4"	EA	1	
1080-27-106	UTILITY FIXTURE, LINE STOP ASSEMBLY, FURNISH AND INSTALL, 6"	EA	2	
1080-27-108	UTILITY FIXTURE, LINE STOP ASSEMBLY, FURNISH AND INSTALL, 8"	EA	10	
1080-28-104	CUT-IN CONNECTION TO EXISTING WM, 4"	EA	1	
1080-28-108	CUT-IN CONNECTION TO EXISTING WM, 8"	EA	10	
1644-116-08	FIRE HYDRANT ASSEMBLY, STANDARD, F&I, 6"	EA	3	
1644-900	FIRE HYDRANT, REMOVE	EA	3	

1050–11–221	4" DUCTILE IRON WATER MAINS SHALL BE ACCORDING TO THE ORANGE CONSTRUCTION SPECIFICATIONS MANUAL (LATEST EDITION). IN ADDITION, PIPE FITTING REQUIRED PER PLAN INCLUDING BENDS, TEES, CROSSES, F OFFSETS. THE COST FOR DISINFECTION AND SAMPLING SHALL BE INCLU
1050–11–423	8" PIPE USED IN THE OUC WATER DISTRIBUTION SYSTEM SHALL BE ACC (OCU) <u>STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL</u> (LATES DUCTILE IRON PIPE FITTING REQUIRED PER PLAN INCLUDING BENDS, TEE PLUGS, BLIND FLANGES AND OFFSETS. THE COST FOR DISINFECTION AN COST FOR THIS PAY ITEM.
1050–16–	THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIA APPURTENANCES SUCH AS VALVES, FITTINOS, AND OTHER MATERIAS A DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE SHALL INCLUDE BUT MAY NOT BE LIMITED TO: 1) EXCAVATION OF THE APPURTENANCES TO ALLOW THE INSTALLATION OF CAPS OR PLUGS ON FURNISHING AND INSTALLING GROUT TO PLUG ANY ABANDONED OPEN E A CAP OR PLUG AND ADEQUATE RESTRAINT TO WITHSTAND A WORKING OPEN ENDS OF PIPE; 5) BACKFILLING AND COMPACTING THE WORK PT AND 7) CLEANING UP AND RESTORING THE DISTURBED AREAS, INCLUDIN WORK SHALL BE IN ACCORDANCE WITH THE ORANGE COUNTY UTILITIES SPECIFICATIONS MANUAL (LATEST EDITION).
1051-4/-5	THIS PAY ITEM INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT FOR LONG WATER METER SERVICES, BOTH WITH AND WITHOUT IRRIGATION ME DEFINED AS A SERVICE LINE WITH WATER METER AND BOX INSTALLED C MAIN. LONG WATER METER SERVICE IS DEFINED AS A SERVICE LINE WI THE OPPOSITE SIDE OF THE ROAD AS THE MAIN AND SHALL BE FURNIS INSTALLATION SHALL INCLUDE BUT NOT BE LIMITED TO: 1) ALL NECESS APPROPRIATE SIZE TAP: 3) BORE AND JACK OR PUSH-PULL PIPE OR OTHER PAVED AREAS THAT ARE TO REMAIN UNDISTURBED AND WHEN / ENGINEER: 4) FURNISHING AND INSTALLING THE APPROPRIATE SIZE AND SERVICE SIDE OF SERVICE FITNES, CURB COCK, METER BOX AND SECIFICATIONS; 5) INSTALLATION OF THE APPROPRIATELY SIZED WATEF OF ALL EXCAVATIONS. THE COST FOR THE CONTRACTOR TO INSTALL AN SERVICE LINES TO MAINTAIN EXISTING SERVICE SHALL BE INCLUDED IN SERVICES ALL WORK SHALL BE IN ACCORDANCE WITH THE ORANGE COU
1080–11–205	THIS PAY ITEM INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT FOR TAPS AND BLOW-OFF INSTALLATION AND SHALL INCLUDE BUT NOT BE EXCAVATIONS; 2) MAINTAINING THE EXCAVATION, WHICH SHALL INCLUDE REQUIRED; 3) MAKING ALL NECESSARY TAPS, WHICH ARE REQUIRED TO C FURNISHING AND INSTALLING ALL NECESSARY MATERIAL REQUIRED TO C 5) BACKFILLING AND COMPACTING OF ALL EXCAVATIONS AND RESTORIN TAPS SHALL MEET THE MOST CURRENT ORANGE COUNTY UTILITIES (OCL <u>SPECIFICATIONS MANUAL</u> (LATEST EDITION).
1080-27-	THIS PAY ITEM INCLUDES ALL LABOR, MATERIALS AND EQUIPMENT FOR SHALL SHALL MEET THE MOST CURRENT ORANGE COUNTY UTILITIES (OC <u>SPECIFICATIONS MANUAL</u> (LATEST EDITION).
1080–28–	THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERI. PIPELINE TO THE EXISTING PIPELINE AS DESIGNATED ON THE PLANS OI CUITING AND REMOVAL AND DISPOSAL OF THE EXISTING PIPE SHALL BI DOCUMENT. THE PIPE REMOVAL SHALL INCLUDE BUT NOT BE LIMITED REMOVAL OF PIPE TO ALLOW INSTALLATION OF CONNECTION; 3) BACKFI 4) CLEANING UP AND RESTORING THE JOB SITE, INCLUDING ANY RE-GR WORK SHALL BE IN ACCORDANCE WITH THE ORANGE COUNTY UTILITIES <u>SPECIFICATIONS MANUAL</u> (LATEST EDITION).
1644–116–08	THIS PAY ITEM SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS ASSEMBLY AS DESIGNATED ON THE PLANS OR AS DIRECTED BY THE EN ACCORDANCE WITH WITH ORANGE COUNTY UTILITIES (OCU) <u>STANDARDS</u> (LATEST EDITION).
1644-900	THIS PAY ITEM INCLUDES ALL LABOR, EQUIPMENT AND MATERIALS TO C APPURTENANCES SUCH AS VALVES, FITTING AND OTHER MATERIALS. T

REFERENCE: ORANGE COUNTY UTILITIES (OCU) STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL (LATEST EDITION).

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OCU PAY ITEM NOTES

SE COUNTY UTILITIES (OCU) <u>STANDARDS AND</u> DN, THIS PAY ITEM INCLUDES ALL DUCTILE IRON , REDUCERS, SLEEVES, CAPS PLUGS AND LUDED IN THE COST FOR THIS PAY ITEM.

CCORDING TO THE ORANGE COUNTY UTILITIES TEST EDITION).THIS PAY ITEM INCLUDES ALL EES, CROSSES, REDUCERS, SLEEVES, CAPS AND SAMPLING SHALL BE INCLUDED IN THE

ERIALS TO CUT AND REMOVE THE PIPELINE AND S AND REMOVE VALVE BOXES AS HE CUTTING AND PLUGGING OF ABANDONED PIPE HE WORK PIT: 2) REMOVAL OF PIPE OR ON OPEN ENDS OF THE ABANDONED PIPE; 3) N END OF PIPE: 4) FURNISHING AND INSTALLING ING PRESSURE OF 150 PSI ON ALL IN-SERVICE PIT; 6) PROVISION OF LINE STOPS (AS NEEDED); JDING THE RE-GRADING OF THE TERAIN. ALL ES (OCU) <u>STANDARDS AND CONSTRUCTION</u>

OR THE INSTALLATION OF NEW 1" SHORT AND METERS. SHORT WATER METER SERVICE IS D ON THE SAME SIDE OF THE ROAD AS THE "WTH A WATER METER AND BOX INSTALLED ON INISHED BY OUC. WATER METER SERVICE ESSARY EXCAVATIONS; 2) MAKING THE NO TUBING UNDER DRIVEWAYS, SIDEWALKS AN N APPLICABLE AND APPROVED BY THE AND TYPE OF CORPORATION STOP, COPPER AND METER COUPLING PER THE OUC TECHNICAL ATER METER; 6) BACKFILLING AND COMPACTING AND RETER COUPLING PER THE OUC TECHNICAL AND RETER COLPLING PER THE OUC TECHNICAL ITER METER; 6) BACKFILLING AND COMPACTING IN THE COST FOR THE NEW 1" COPPER COUNTY UTILITIES (OCU) <u>STANDARDS AND</u>

R THE INSTALLATION OF GATE VALVES, WET IE LIMITED TO: 1) ALL NECESSARY IDE DEWATERING, BRACING AND SHEETING (IF TO AFFECT THE TE-IN CONDITION; 4) 0 CONSTRUCT THE TE-IN CONNECTIONS; AND RING THE DISTURBED AREAS. ALL VALVES AND XCU) <u>STANDARDS AND CONSTRUCTION</u>

OR THE INSTALLATION OF LINE STOPS AND OCU) STANDARDS AND CONSTRUCTION

ERIALS TO CUT AND CONNECT THE NEW OR AS DIRECTED BY THE ENGINEER. THE BE PAID FOR IN OTHER ITEMS OF THIS D TO: 1) ALL NECESSARY EXCAVATIONS; 2) KFILLING AND COMPACTING THE WORK PIT; AND -GRADING OF THE ADJACENT TERRAIN. ALL SC (ADL) OF THE ADJACENT TERRAIN. ALL SC (ADL) OF THE ADJACENT TERRAIN. ALL (OCU) STANDARDS AND CONSTRUCTION

LS TO INSTALL A NEW FIRE HYDRANT ENGINEER. ALL WORK SHALL BE IN <u>S AND CONSTRUCTION SPECIFICATIONS MANUAL</u>

THIS PAY ITEM INCLUDES ALL LABOR, EQUIPMENT AND MATERIALS TO CUT AND REMOVE PIPELINE AND APPURTENANCES SUCH AS VALVES, FITTING AND OTHER MATERIALS. THE REMOVAL OF THE ABANDONED PIPE SHALL INCLUDE BUT NOT BE LIMITED TO: 1) EXCAVATION OF THE WORK PIT: 2) OF ABANDONED PIPE; 3) PURTISHING CROUT TO PLUG ANY ABANDONED OPEN ENDS OF BANDONED PIPE; 3) FURNISHING AND INSTALLING GROUT TO PLUG ANY ABANDONED OPEN ENDS OF PIPE (IF NEEDED); 4) FURNISHING AND INSTALLING A CAP OR PLUG AND ABAUQUATE RESTRAINT TO WITHSTAND A WORKING PRESSURE OF 150 PSI, ON ALL IN-SERVICE OPEN ENDS OF PIPE; 5) BACKFILLING AND COMPACTING THE WORK PIT; 6) AND CLEANING UP AND RESTORING THE JOB SITE, WHICH SHALL INCLUDE THE RE-GRADING OF THE DISTURBED AREAS.

APPROVED 09/07/2023

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Alexander Castro, P.E.

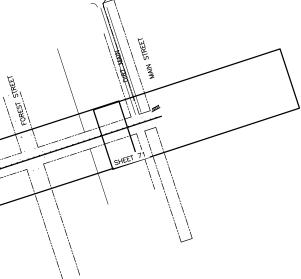
FOR THE MANAGER, ENGINEERING DIVISION ORANGE COUNTY UTILITIES DEPARTMENT

THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.

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APPROVED 09/07/2023

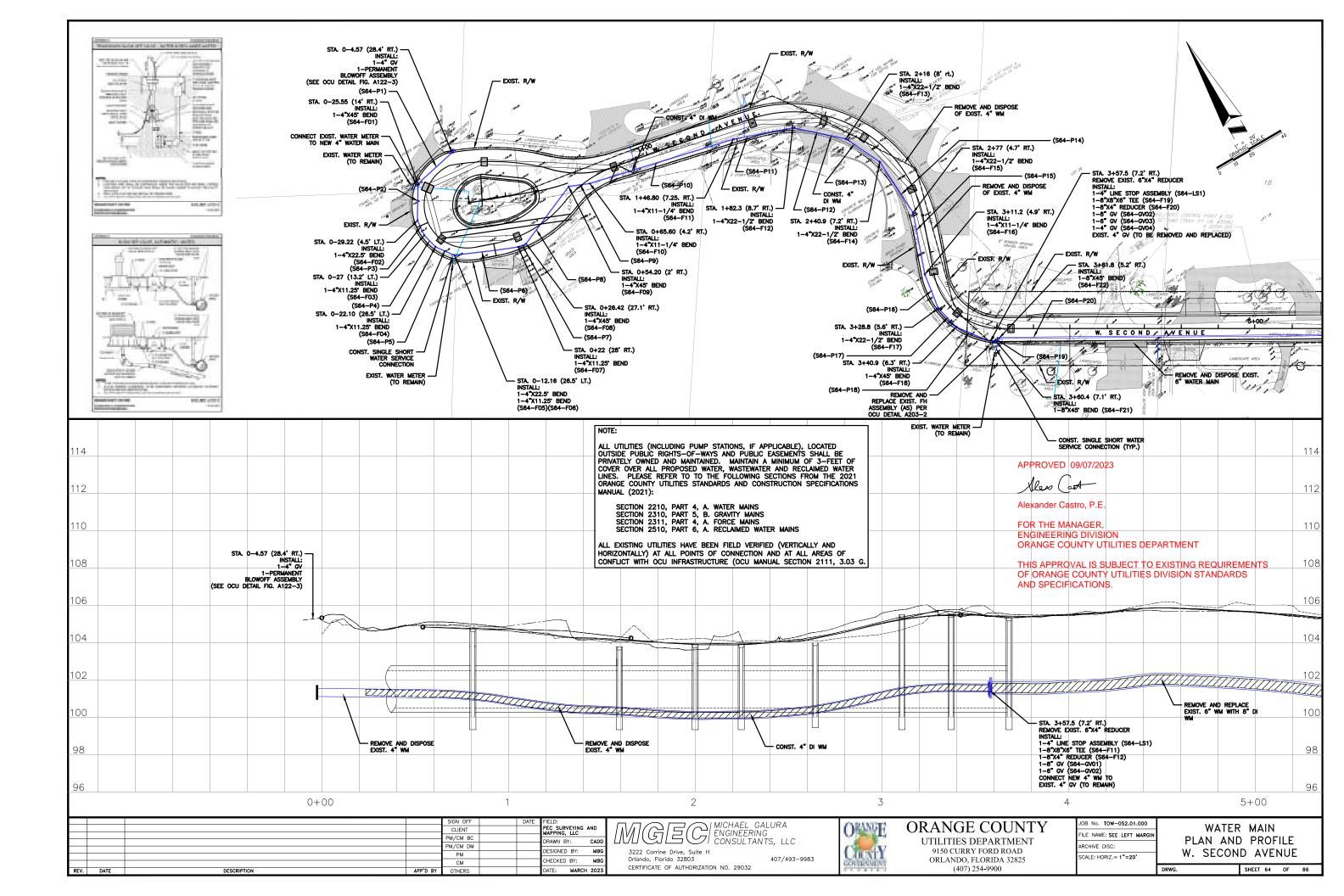
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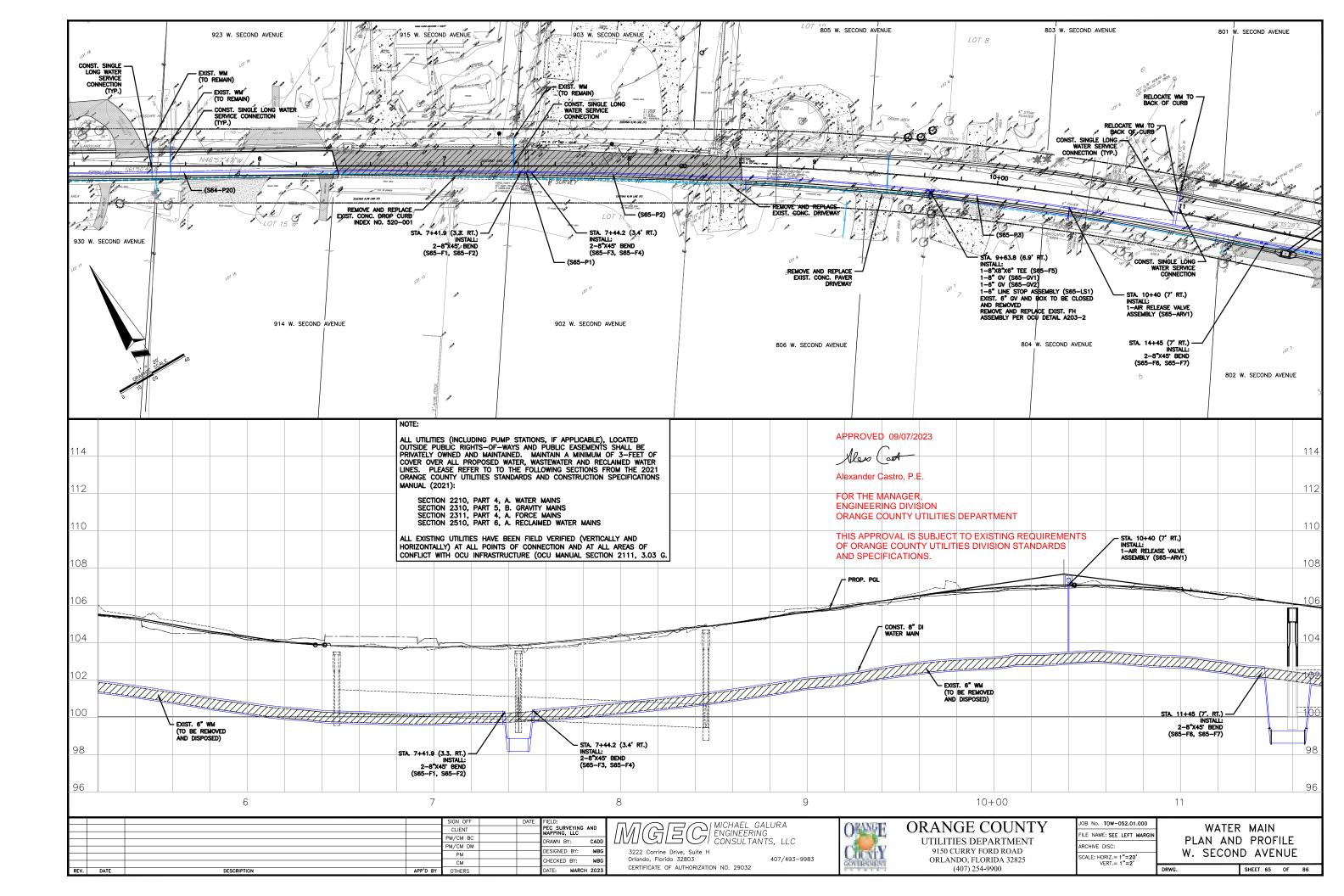
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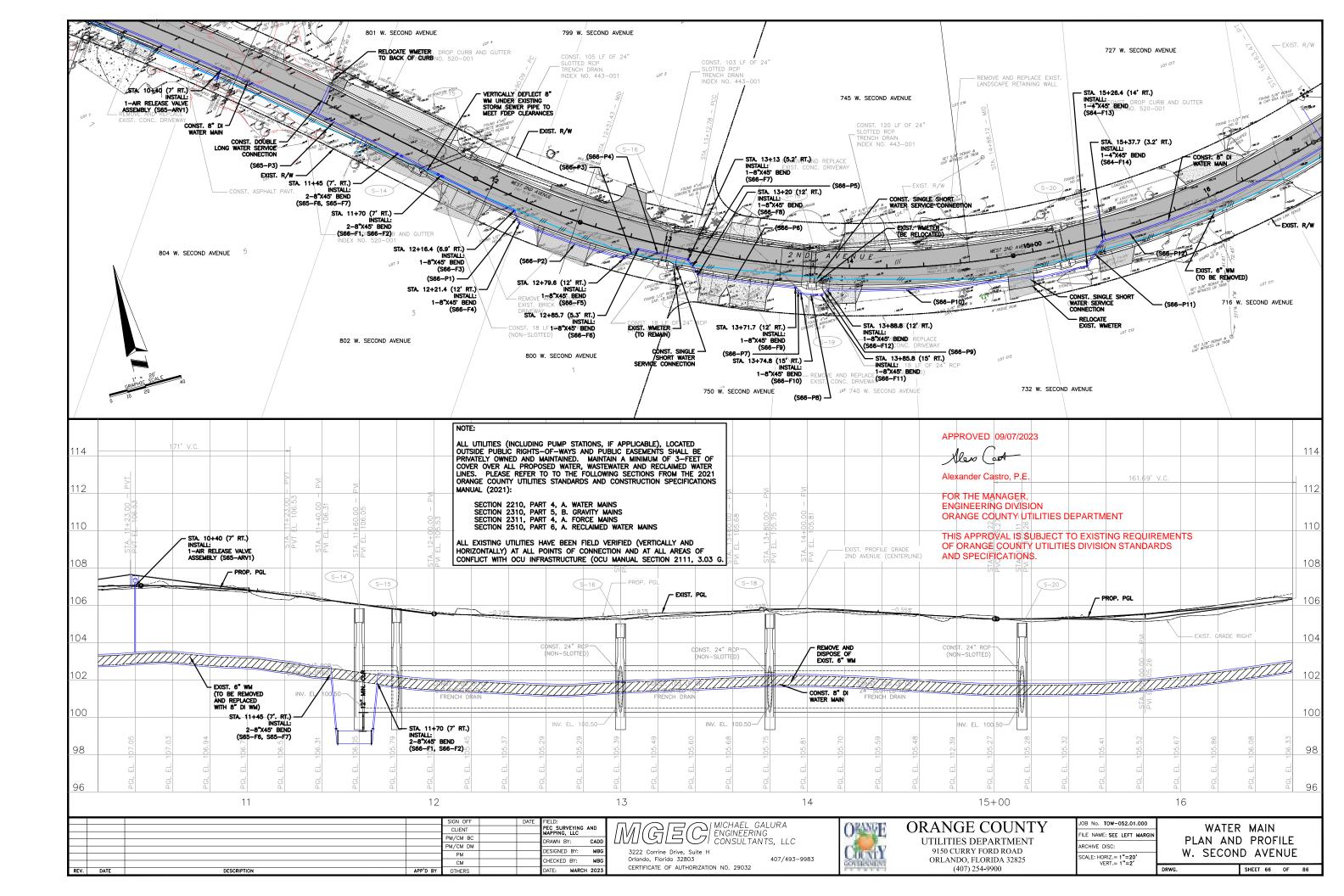
FOR THE MANAGER, ENGINEERING DIVISION ORANGE COUNTY UTILITIES DEPARTMENT

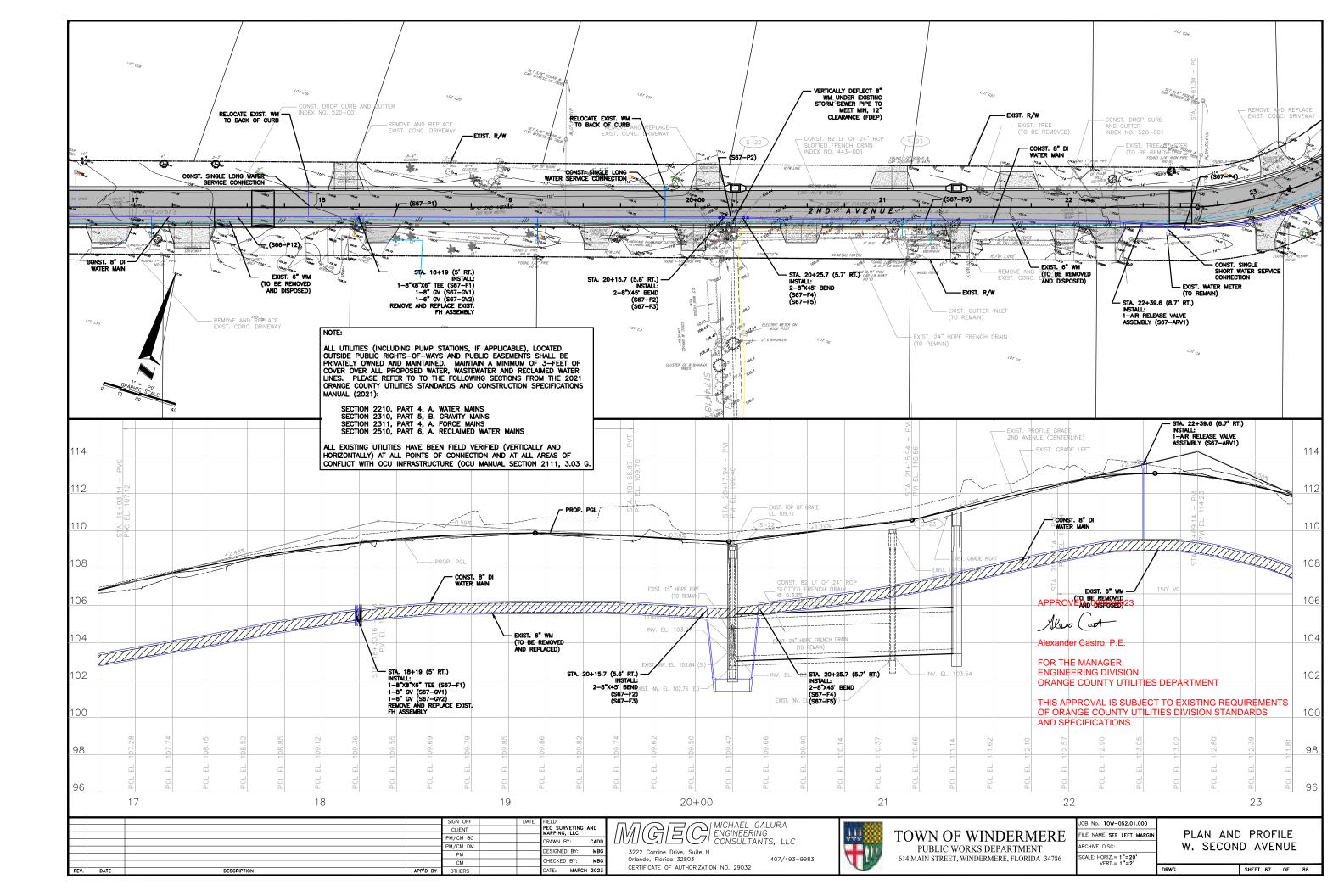
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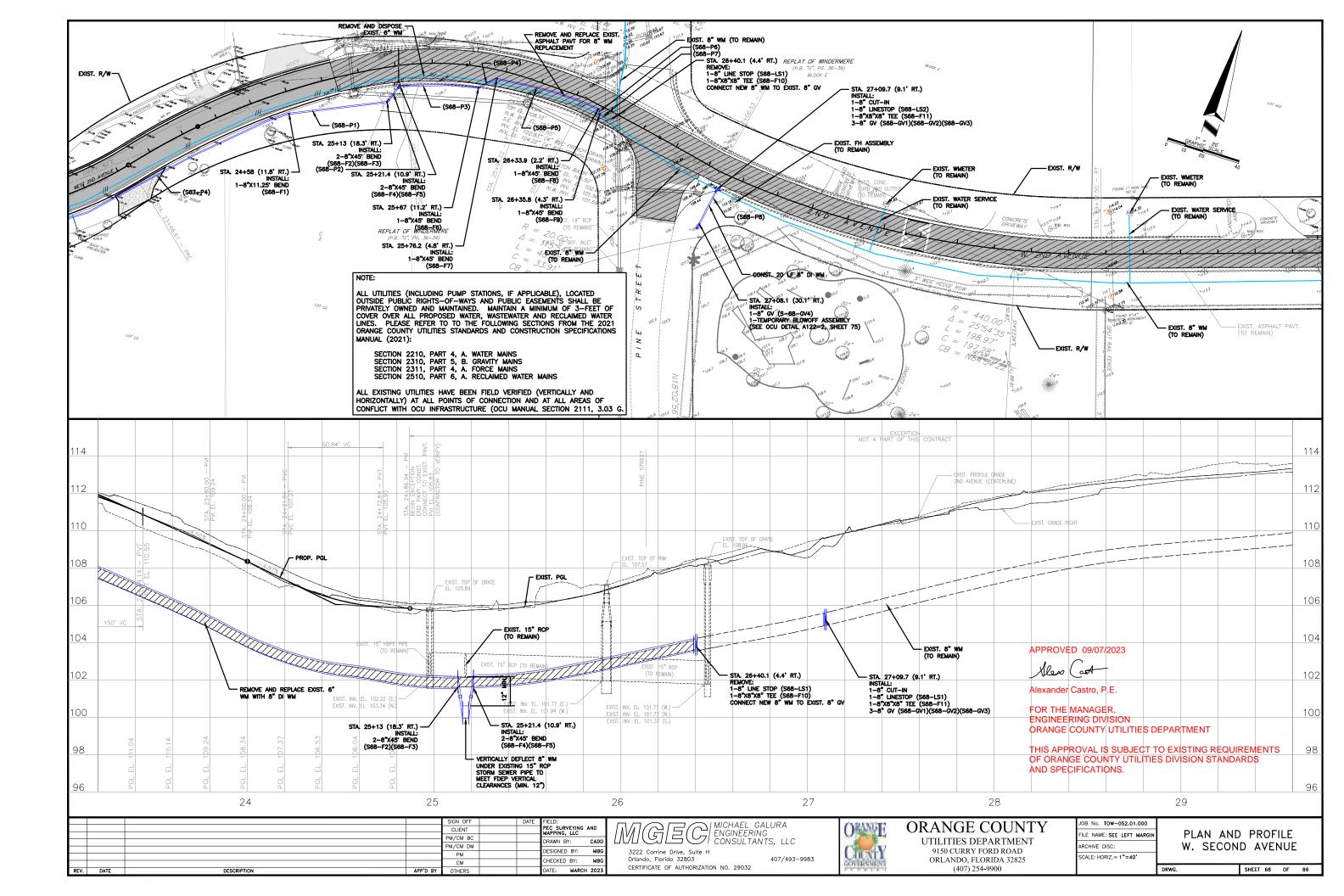
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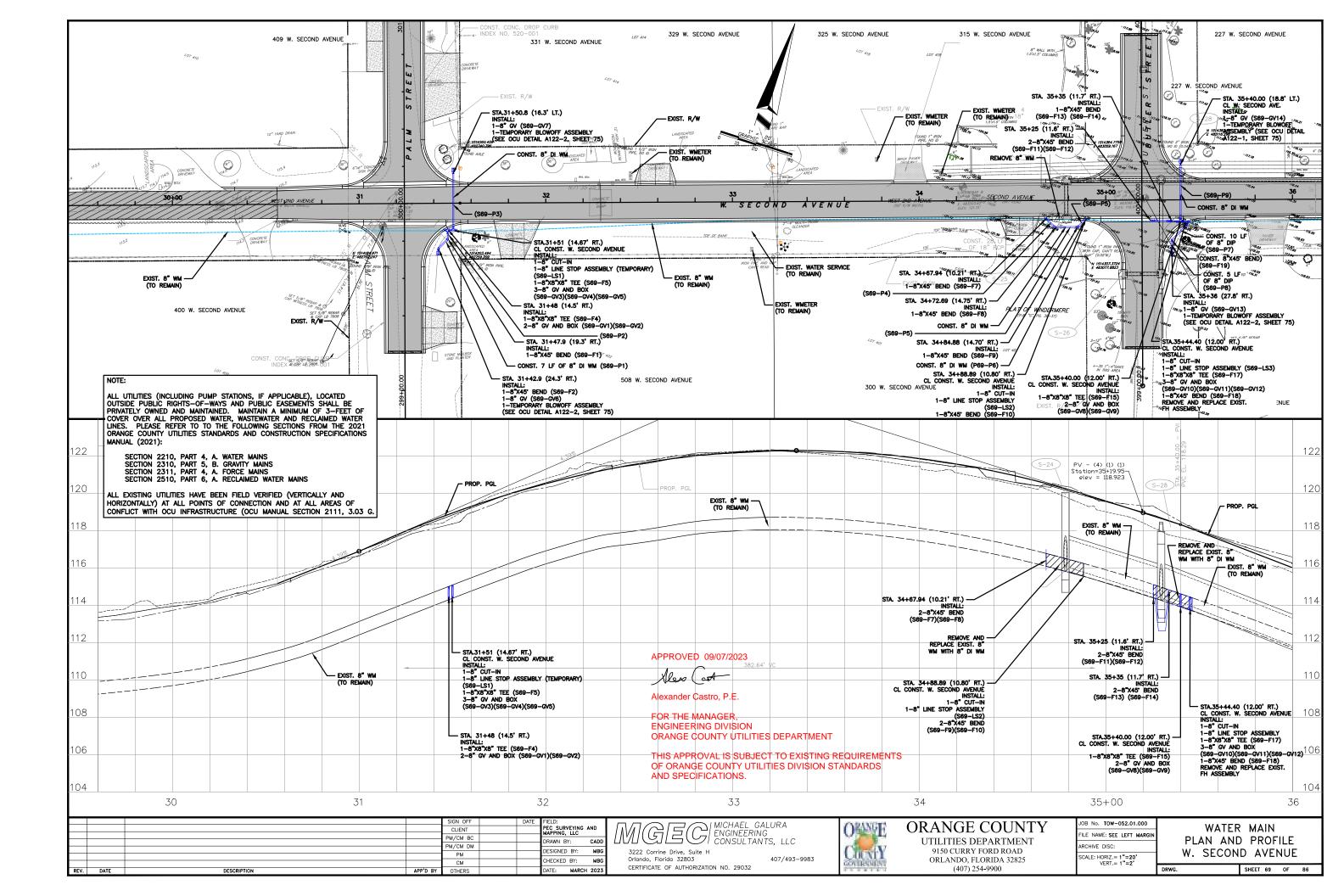


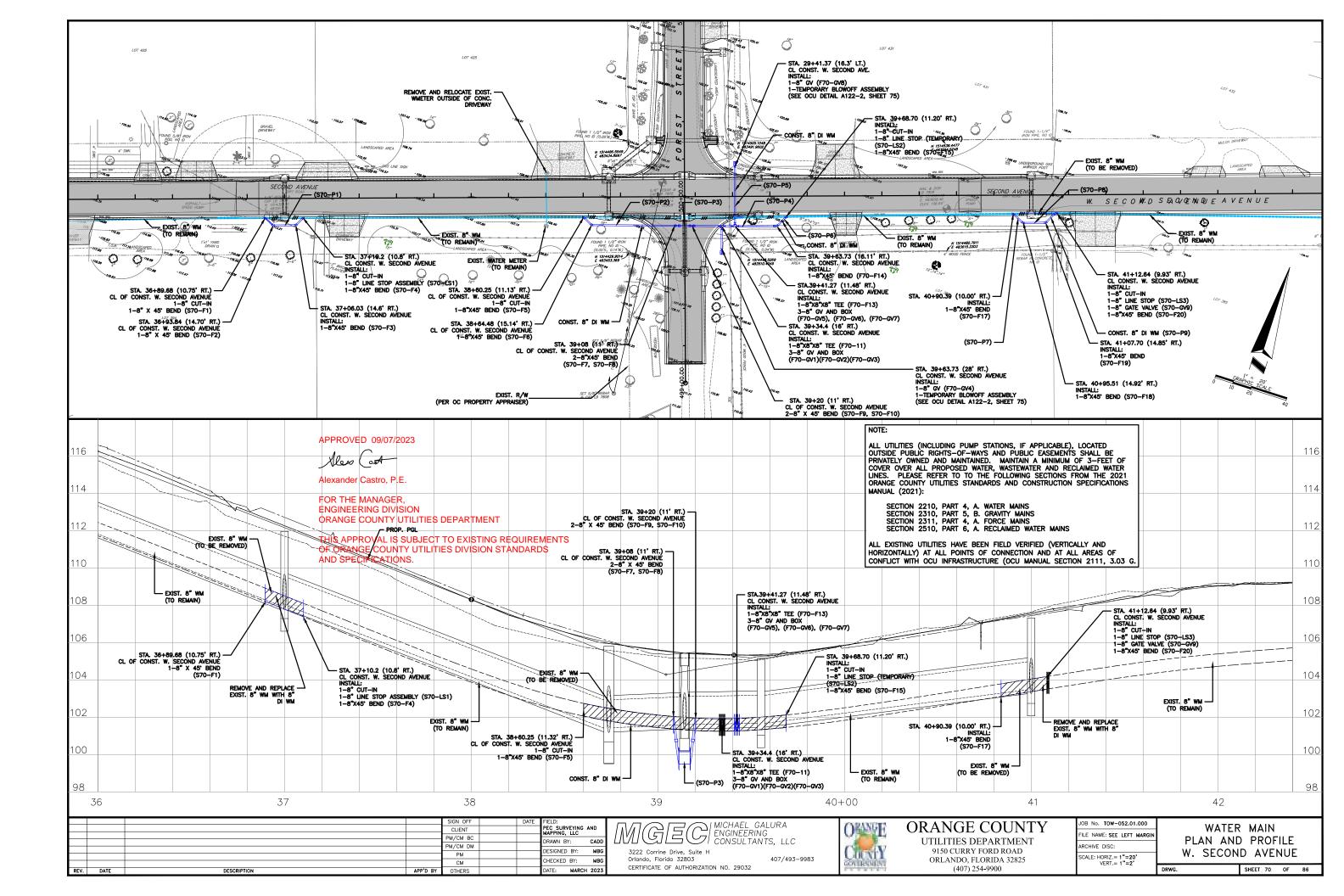


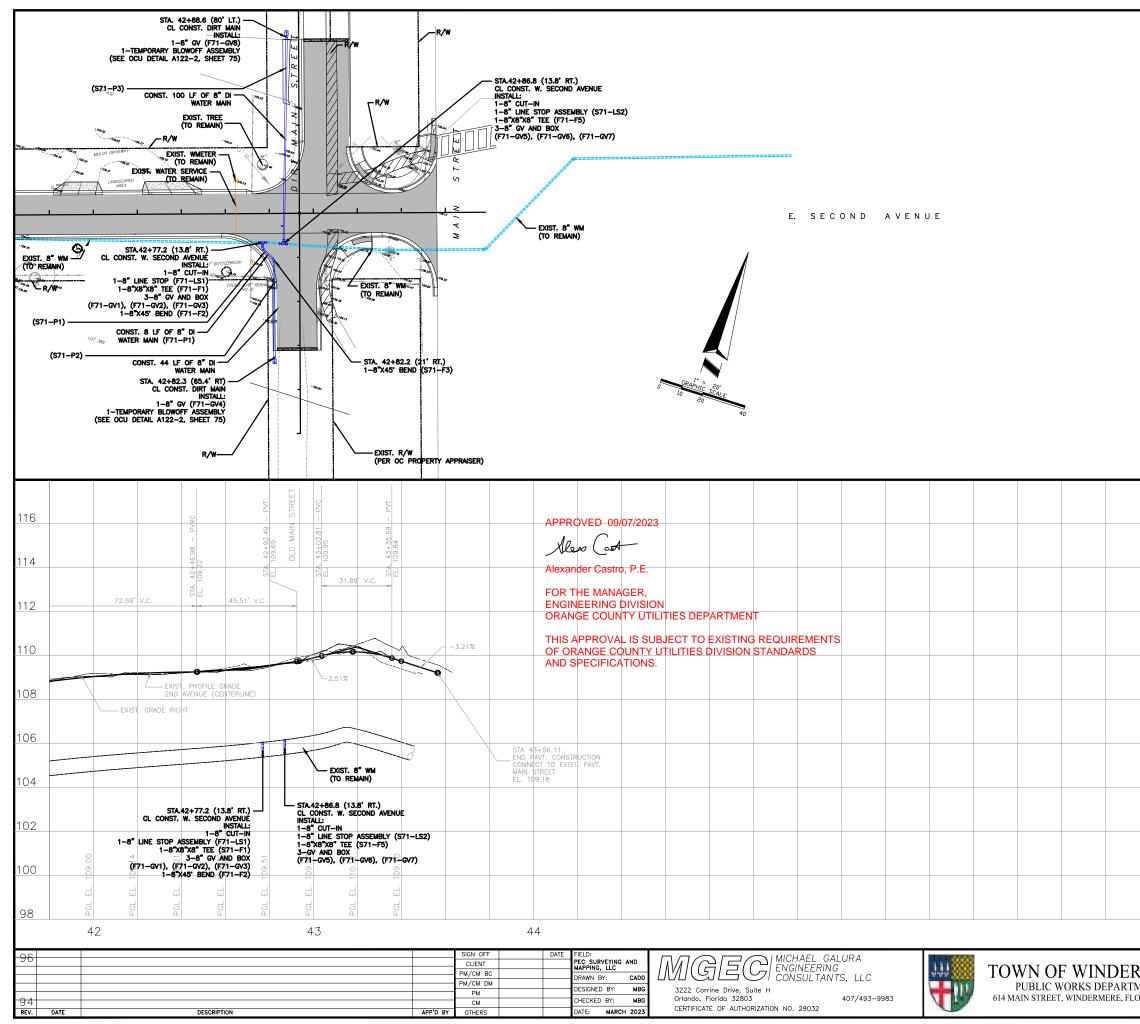












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ID NUMBER	SHEET N	10. N	ORTHING	EASTING	ELEV	ATION	VALVE TYPE	VALVE MFR	VALVE MODEL #TURNS TO	CLOSE MAIN TYPE G	EAR ACTUTOR	gear Ratio Sidi	ACTUATOR ACTUATOR MFR	ID NUMBER	SHEET NO.	NORTHING	EASTING ELEVATION				MATERIAL TYPE
S64-GV1	64						GATE VALVE							S64-P1	64			4" WATER MAI	TOP OF PIPI		
S64-GV2	64						GATE VALVE			WATER MAIN				S64-P2	64			4" WATER MAI	TOP OF PIPI		
S64-GV3	64						GATE VALVE			WATER MAIN WATER MAIN				S64-P3	64			4" WATER MAI	TOP OF PIPI		
S64-GV4 S64-LS1	<u>64</u> 64				_		GATE VALVE			WATER MAIN				S64-P4 S64-P5	64 64			4" WATER MAI	TOP OF PIPI	-	
S65-GV1	65						4" LINE STOP 3" GATE VALVE			WATER MAIN				S64-P6	64				TOP OF PIPI		
S65-GV2	65						6" GATE VALVE			WATER MAIN				S64-P7	64			4 WATER MAI	TOP OF PIPI		
S65-LS1	65						6" LINE STOP			WATER MAIN				S64-P8	64			4 WATER MAI	TOP OF PIPI		
S65-ARV1	65						" AIR RELEASE			WATER MAIN				S64-P9	64			4" WATER MAIL	TOP OF PIPI		
S67-GV1	67						" GATE VALVE			WATER MAIN				S64-P10	64			4" WATER MAIL	TOP OF PIPI		
S67-GV2	67						" GATE VALVE			WATER MAIN				S64-P11	64				TOP OF PIPI		
S67-ARV1	67	'					" AIR RELEASE			WATER MAIN				S64-P12	64				TOP OF PIPI		
S68-LS1	68	1					8" LINE STOP			WATER MAIN				S64-P13	64			4" WATER MAIN	TOP OF PIPI		
S68-LS2	68						8" LINE STOP			WATER MAIN				S64-P14	64				TOP OF PIPI		
S68-GV1	68						" GATE VALVE			WATER MAIN				S64-P15	64				TOP OF PIPI		
S68-GV2	68						" GATE VALVE			WATER MAIN				S64-P16	64				TOP OF PIPI		
S68GV3	68						" GATE VALVE			WATER MAIN				S64-P17	64				TOP OF PIPI		
S68-GV4	68						" GATE VALVE			WATER MAIN				S64-P18	64				TOP OF PIPI		
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S69-GV2 S69-GV3	69 69				-		" GATE VALVE " GATE VALVE			WATER MAIN WATER MAIN				S64-P20 S65-P1	65				TOP OF PIPI		
S69-GV3	69				-		GATE VALVE			WATER MAIN				S65-P1	65				TOP OF PIPI		+
S69-GV5	69						" GATE VALVE			WATER MAIN				S65-P3	65				TOP OF PIPI		
S69-GV6	69						" GATE VALVE			WATER MAIN				S66-P1	66				TOP OF PIPI		
S69-GV7	69						" GATE VALVE			WATER MAIN				S66-P2	66				TOP OF PIPI		
S69-GV8	69						" GATE VALVE			WATER MAIN				S66-P3	66				TOP OF PIPI		
S69-GV9	69						" GATE VALVE			WATER MAIN				S66P4	66			8" WATER MAIN	TOP OF PIPI		
S69GV10	69						" GATE VALVE			WATER MAIN				S66-P5	66			8" WATER MAIL	TOP OF PIPI		
S69-GV11	69						" GATE VALVE			WATER MAIN				S66-P6	66			8" WATER MAI	TOP OF PIPI		
S69-GV12	69						" GATE VALVE			WATER MAIN				S66-P7	66				TOP OF PIPI		
S69-GV13	69						" GATE VALVE			WATER MAIN				S66-P8	66				TOP OF PIPI		
S69-GV14	69				_		" GATE VALVE			WATER MAIN				S66-P9	66			8" WATER MAIN	TOP OF PIPI		
S69-LS1	69						B" LINE STOP			WATER MAIN				S66-P10	66			8" WATER MAIN	TOP OF PIPI		+
S69-LS2 S69-LS3	69 69						B" LINE STOP			WATER MAIN WATER MAIN				S66-P11 S66-P12	66 66			8" WATER MAIL	TOP OF PIP		+
S69-LS3 S70-GV1	69 70				-	— I .	8" LINE STOP 3" GATE VALVE		<u> </u>	WATER MAIN				S66-P12 S67-P1	66			8 WATER MAI	TOP OF PIPI		
S70-GV1	70						" GATE VALVE " GATE VALVE			WATER MAIN				S67-P1	67			8" WATED MAIL	TOP OF PIPI		+
S70-GV2					-		" GATE VALVE " GATE VALVE			WATER MAIN				567-P2 S67-P3	67			8" WATER MAIL	TOP OF PIPI		+
S70-GV4	70						" GATE VALVE			WATER MAIN				S67-P4	67				TOP OF PIPI		
S70-GV5	70						" GATE VALVE			WATER MAIN				S68-P1	68				TOP OF PIPI		
S70-GV6	70						" GATE VALVE			WATER MAIN				S68-P2	68				TOP OF PIPI		
S70-GV7	70						" GATE VALVE			WATER MAIN				S68-P3	68				TOP OF PIPI		
S70GV8	70)					" GATE VALVE							S68-P4	68			8" WATER MAIL	TOP OF PIPI		
S70–GV9	70					1	" GATE VALVE							S68-P5	68			8" WATER MAIN	TOP OF PIPI		
S70-LS1	70						8" LINE STOP			WATER MAIN				S68-P6	68			8" WATER MAIN	TOP OF PIPI		
S70-LS2)					8" LINE STOP			WATER MAIN				S68-P7	68			8" WATER MAIL	TOP OF PIPI		
S70-LS3							8" LINE STOP			WATER MAIN]	S68-P8	68			8" WATER MAI	TOP OF PIPI		
S71-GV1	71				_		" GATE VALVE			WATER MAIN				S69-P1	69			8" WATER MAI	TOP OF PIPI	-	-
S71-GV2	71						GATE VALVE			WATER MAIN				S69-P2	69			8" WATER MAI	I TOP OF PIPI		
S71-GV3	71						GATE VALVE			WATER MAIN				S69-P3	69			8" WATER MAI	I TOP OF PIPI		+
S71-GV4	71						GATE VALVE			WATER MAIN				S69-P4	69			8" WATER MAI	I TOP OF PIPI		+
S71-GV5	71						GATE VALVE			WATER MAIN WATER MAIN				S69-P5	69 60			8" WATER MAIL	TOP OF PIPI		
S71-GV6 S71-GV7	71				-		GATE VALVE			WATER MAIN				S69-P6 S69-P7	69 69			8" WATER MAIN 8" WATER MAIN			
S71-GV7 S71-GV8	71				-		GATE VALVE							569-P7 S69-P8	69			8" WATER MAI			
S71-GV8	71				-		" GATE VALVE R" LINE STOP			WATER MAIN				S69-P8 S69-P9	69			8" WATER MAI			+
S71-LS1							<u>8" line stop</u> 8" line stop			WATER MAIN				S70-P1	70				TOP OF PIPI		
J/1 LJ2	/1	<u> </u>												S70-P1	70				TOP OF PIPI		
														S70-P2	70				TOP OF PIPI		
					-									S70-P4	70				TOP OF PIPI		
														S70-P5	70			8" WATER MAIN	TOP OF PIPI	:	
														S71-P1	71			8" WATER MAIN	TOP OF PIPI	:	
														S71-P2	71			8" WATER MAIN	TOP OF PIPI		
														S71-P3	71			8" WATER MAIN	TOP OF PIPI		
												I					I		I		
				F		NG	WORK	SHEET					FITTING	WORKSH	EET						FITTING
ID NUMBER	SHEET N	10. N	ORTHING	EASTING	ELEV			FITTING TYPE	COMMENTS	ID NUMBER	SHEET NO.	NORTHING		MAIN TYPE FITT		COMMENTS	D	NUMBER SHE	ET NO. NO	RTHING EASTIN	NG ELEVATION
S64-F1	64						WATER MAIN	4"X45" BEND		S66-F8	66			WATER MAIN 8"X45	5° BEND		S	69–F13	69		
S64-F2	64						WATER MAIN	4"X22.5" BEND		S66-F9	66			WATER MAIN 8"X45	5" BEND			69-F14	69		
S64-F3	64						WATER MAIN	4"X11.25" BEND		S66-F10	66			WATER MAIN 8"X45	5" BEND			69-F15	69		
S64-F4	64						WATER MAIN	4"X11.25" BEND		S66-F11	66			WATER MAIN 8"X4				69F16	69		
S64-F5	64				_			4"X22.5" BEND		S66-F12	66			WATER MAIN 8"X45			S	69–F17	69		
																		00 540	00		
S64-F6 S64-F7	64 64						WATER MAIN	4"X11.25" BEND 4"X11.25" BEND		S66-F13 S66-F14	66 66			WATER MAIN 8"X45 WATER MAIN 8"X45	5° BEND			69-F18 69-F19	69 69		

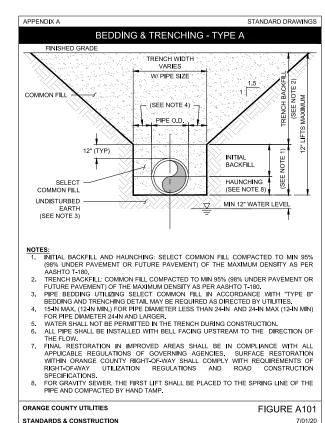
			ГІ	THING	WURN	SHEEL	
ID NUMBER	SHEET NO.	NORTHING	EASTING	ELEVATION	MAIN TYPE	FITTING TYPE	COMMENTS
S64-F1	64				WATER MAIN	4"X45" BEND	
S64-F2	64				WATER MAIN	4"X22.5" BEND	
S64-F3	64				WATER MAIN	4"X11.25" BEND	
S64-F4	64				WATER MAIN	4"X11.25" BEND	
S64-F5	64				WATER MAIN	4"X22.5" BEND	
S64-F6	64				WATER MAIN	4"X11.25" BEND	
S64-F7	64				WATER MAIN	4"X11.25" BEND	
S64-F8	64				WATER MAIN	4"X45" BEND	
S64-F9	64				WATER MAIN	4"X45" BEND	
S64-F10	64				WATER MAIN	4"X11.25" BEND	
S64-F11	64				WATER MAIN	4"X11.25" BEND	
S64-F12	64				WATER MAIN	4"X11.25" BEND	
S64-F13	64				WATER MAIN	4"X22.5" BEND	
S64-F14	64				WATER MAIN	4"X22.5" BEND	
S64-F15	64				WATER MAIN	4"X22.5" BEND	
S64-F16	64				WATER MAIN	4"X11.25" BEND	
S64-F17	64				WATER MAIN	4 X22.5 BEND	
S64-F18	64				WATER MAIN	4"X45" BEND	
S64-F19	64				WATER MAIN	8"X8"X6" TEE	
S64-F20	64				WATER MAIN	8"X4" REDUCER	
S64-F21	64				WATER MAIN	8"X45" BEND	
S64-F22	64				WATER MAIN	8"X45" BEND	
S65-F1	65				WATER MAIN	8"X45" BEND	
S65-F2	65				WATER MAIN	8"X45" BEND	
S65-F3	65				WATER MAIN	8"X45" BEND	
S65-F4	65				WATER MAIN	8"X45" BEND	
S65-F5	65				WATER MAIN	8"X8"X6" TEE	
S65-F6	65				WATER MAIN	8"X45" BEND	
S65-F7	65				WATER MAIN	8"X45" BEND	
S66-F1	66				WATER MAIN	8"X45" BEND	
S66-F2	66				WATER MAIN	8"X45" BEND	
S66-F3	66				WATER MAIN	8"X45" BEND	
S66-F4	66				WATER MAIN	8"X45" BEND	
S66-F5	66				WATER MAIN	8"X45" BEND	
S66-F6	66				water main	8"X45" BEND	
S66-F7	66				WATER MAIN	8"X45" BEND	

			FI	TTING	WORK	SHEET	
NUMBER	SHEET NO.	NORTHING	EASTING	ELEVATION	MAIN TYPE	FITTING TYPE	COMMENTS
66-F8	66				WATER MAIN	8"X45" BEND	
66-F9	66				WATER MAIN	8"X45" BEND	
6-F10	66				WATER MAIN	8"X45" BEND	
6-F11	66				WATER MAIN	8"X45" BEND	
6-F12	66				WATER MAIN	8"X45" BEND	
6-F13	66				WATER MAIN	8"X45" BEND	
6-F14	66				WATER MAIN	8"X45" BEND	
67-F1	67				WATER MAIN	8"X8"X6" TEE	
67-F2	67				WATER MAIN	8"X45" BEND	
67-F3	67				WATER MAIN	8"X45" BEND	
67-F4	67				WATER MAIN	8"X45" BEND	
67-F5	67				WATER MAIN	8"X45" BEND	
68-F1	68				WATER MAIN	8"X11.25" BEND	
68-F2	68				WATER MAIN	8"X45" BEND	
68-F3	68				WATER MAIN	8"X45" BEND	
58-F4	68				WATER MAIN	8"X45" BEND	
68-F5	68				WATER MAIN	8"X45" BEND	
68-F6	68				WATER MAIN	8"X45" BEND	
68-F7	68				WATER MAIN	8"X45" BEND	
68-F8	68				WATER MAIN	8"X45" BEND	
68-F9	68				WATER MAIN	8"X45" BEND	
8-F10	68				WATER MAIN	8"X8"X8" TEE	
8-F11	68				WATER MAIN	8"X8"X8" TEE	
8-F12	68				WATER MAIN	8" BLIND FLANGE	
69-F1	69				WATER MAIN	8"X45" BEND	
69-F2	69				WATER MAIN	8"X45" BEND	
69-F3	69				WATER MAIN	8" BLIND FLANGE	
59-F4	69				WATER MAIN	8" BLIND FLANGE	
69-F5	69				WATER MAIN	8"X45" BEND	
69-F6	69				WATER MAIN	8"X45" BEND	
69-F7	69				WATER MAIN	8"X45" BEND	
69-F8	69				WATER MAIN	8"X45" BEND	
69-F9	69				WATER MAIN	8"X45" BEND	
9-F10	69				WATER MAIN	8"X45" BEND	
9-F11	69				WATER MAIN	8"X45" BEND	
9-F12	69				WATER MAIN	8"X45" BEND	

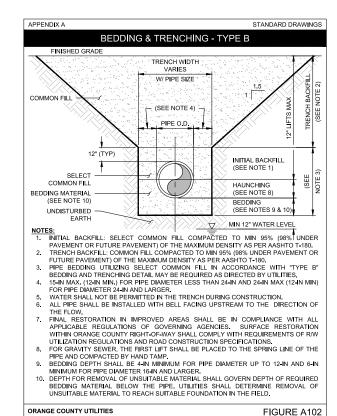
id Number	SHEET NO.	NORTHING	EASTING	E
S69-F13	69			
S69-F14	69			
S69-F15	69			
S69-F16	69			
S69-F17	69			
S69-F18	69			
S69-F19	69			
S69-F20	69			
S70-F1	70			
S70-F2	70			
S70–F3	70			
S70-F4	70			
S70-F5	70			
S70-F6	70			
S70-F7	70			
S70-F8	70			
S70-F9	70			
S70-F10	70			
S70-F11	70			
S70-F12	70			
S70-F13	70			
S70-F14	70			
S70-F15	70			
S70-F16	70			
S70-F17	70			
S70-F18	70			
S70-F19	70			
S70-F20	70			
S71-F1	71			
S71-F2	71			
S71-F3	71			
S71-F4	71			
S71-F5	71			
S71-F6	71			

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REV.	DATE	DESCRIPTION	APP'D BY	OTHERS		DATE: MARCH 2023	CERTIFICATE OF AUTHORIZATION NO. 29032	and the second second second	(407) 254-9900
				СМ		CHECKED BY: MBG		CONTRACTOR	ORLANDO, FLORIDA 32825
				PM			SELE CONTROL DATION	COUNTY COURSES	
				РМ/СМ ОМ		DESIGNED BY: MBG	3222 Corrine Drive. Suite H		9150 CURRY FORD ROAD
						DRAWN BY: CADD	UVU CJLS CONSULTANTS, LLC		UTILITIES DEPARTMEN
				РМ/СМ ВС				A CONTRACTOR	
				CLIENT		PEC SURVEYING AND MAPPING, LLC		ORANGE	ORANGE COUN
				SIGN OFF	DATE			ZNRSNIPPS	ORANGE COUN

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	PRESSURE CLASS	MANUFACTURER	COMM	ENTS	-
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	Alexander	Castro, P	E.		-
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	ENGINEE	RING DIV	SION		-
	ORANGE	COUNTY	UTILITIES D	EPARTME	лт
					-
	THIS APP	ROVAL IS	SUBJECT T	O EXISTIN	IG REQUIREMENTS
	OF ORAN	GE COUN	TY UTILITIE	S DIVISIO	STANDARDS
	AND SPE	CIFICATIO	NS.		-
١G	WORK	SHEET			
TION	MAIN TYPE	FITTING TYPE	COMMENTS		
	WATER MAIN	8"X45" BEND			
	WATER MAIN WATER MAIN	8"X45" BEND 8"X8"X8" TEE			
	WATER MAIN	8" BLIND FLANGE			
	WATER MAIN WATER MAIN	8"X8"X8" TEE 8"X45" BEND	+		
	WATER MAIN	8"X45" BEND			
	WATER MAIN WATER MAIN	8" BLIND FLANGE 8"X45" BEND			
	WATER MAIN	8"X45" BEND			
	WATER MAIN WATER MAIN	8"X45" BEND 8"X45" BEND	+		
	WATER MAIN	8"X45" BEND			
	WATER MAIN WATER MAIN	8"X45" BEND 8"X45" BEND			
	WATER MAIN	8" 45' BEND			
_	WATER MAIN WATER MAIN	8" 45' BEND 8"X45' BEND			
	WATER MAIN	8"x8"x8" TEE			
	WATER MAIN WATER MAIN	8" BLIND FLANGE 8"X8"X8" TEE			
	WATER MAIN	8"X45" BEND			
	WATER MAIN WATER MAIN	8"X45' BEND 8" BLIND FLANGE	<u> </u>		
	WATER MAIN	8"X45" BEND			
_	WATER MAIN WATER MAIN	8"X45" BEND 8"X45" BEND			
	WATER MAIN	8"X45" BEND			
_	WATER MAIN WATER MAIN	8"X8"x8" TEE 8"X45" BEND	<u> </u>		
-	WATER MAIN	8"X45" BEND			
_	WATER MAIN WATER MAIN	8" BLIND FLANGE 8"X8"x8" TEE			
_	WATER MAIN	8" BLIND FLANGE			
	<u> </u>	<u> </u>			
_					
NΤ'	ГΥ	JOB No. TO	W-052.01.000		
		FILE NAME:	SEE LEFT MARGIN	~~~-	AS-BUILT
EN	1	ARCHIVE DIS			RDINATE ATTRIBUTE
D		SCALE: NON			ASSET TABLES
325			ŀ	DBWC	CULLET 70 OF 80
				DRWG.	SHEET 72 OF 86



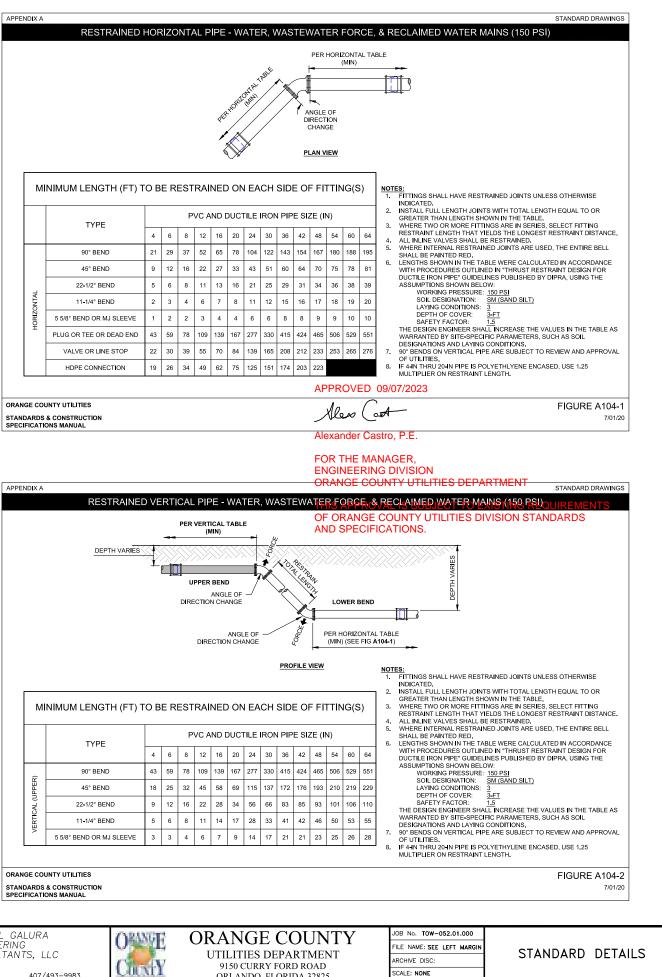
ORANGE COUNTY UTILITY	E3	FIGURE
STANDARDS & CONSTRU	CTION	
SPECIFICATIONS MANUAI	L	



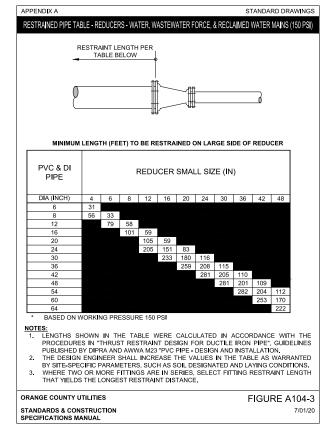
7/01/20

STANDARDS & CONSTRUCTION

SPECIFICATIONS MANUAL

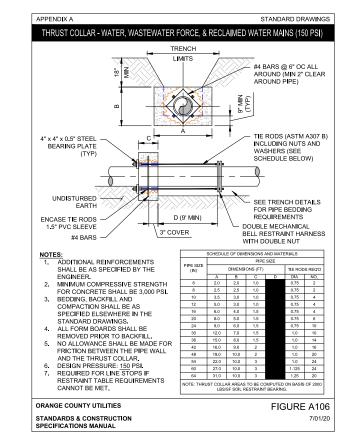


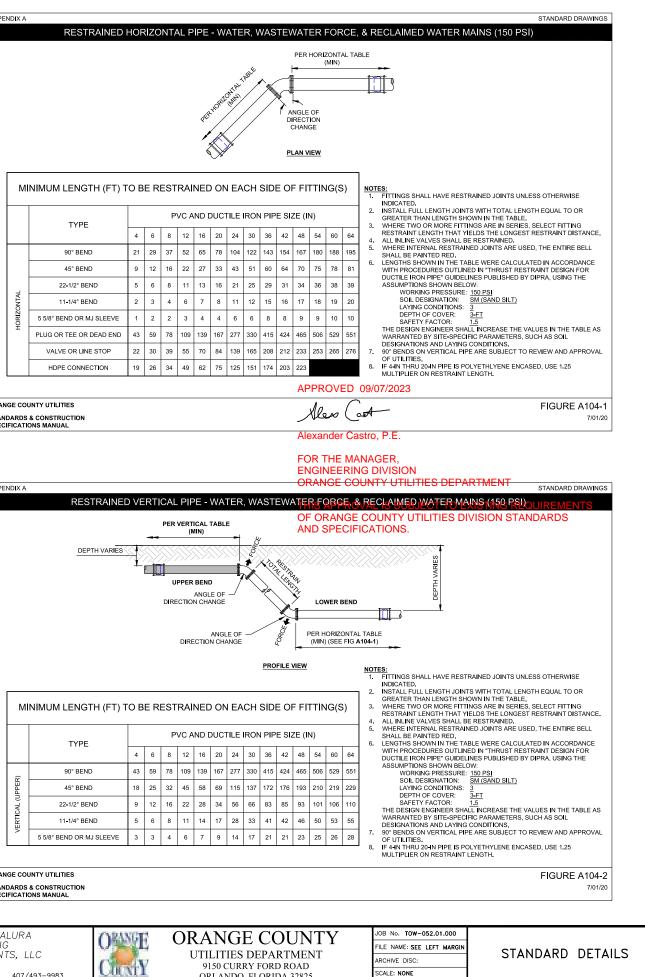
		TYPE _		FVC AND DUCTIEE IRON FIFE SIZE											
				6	8	12	16	20	24	30	36	42	48		
		90° BEND	21	29	37	52	65	78	104	122	143	154	167		
		45° BEND	9	12	16	22	27	33	43	51	60	64	70		
	_	22-1/2° BEND	5	6	8	11	13	16	21	25	29	31	34		
	HORIZONTAL	11-1/4° BEND	2	3	4	6	7	8	11	12	15	16	17		
	ORIZ	5 5/8° BEND OR MJ SLEEVE	1	2	2	3	4	4	6	6	8	8	9		
	т	PLUG OR TEE OR DEAD END	43	59	78	109	139	167	277	330	415	424	465		
		VALVE OR LINE STOP	22	30	39	55	70	84	139	165	208	212	233		
		HDPE CONNECTION	19	26	34	49	62	75	125	151	174	203	223		
													A		
AN	GE COI	JNTY UTILITIES													



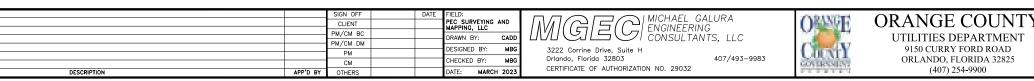
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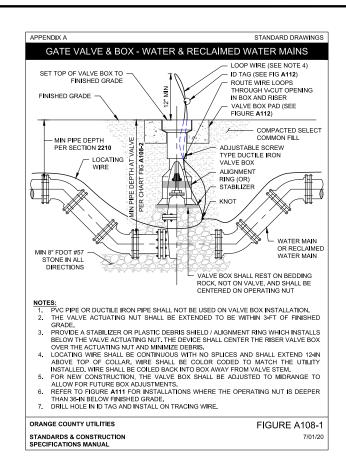


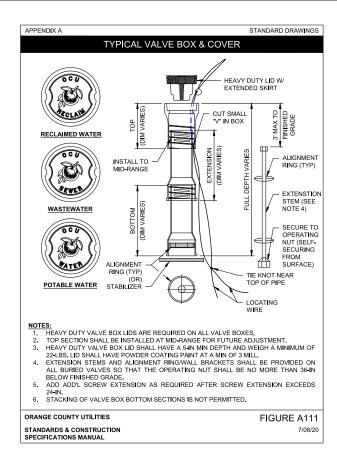
	TYPE .		PVC AND DUCTILE IRON PIPE SIZE											
			6	8	12	16	20	24	30	36	42	48		
()	90° BEND	43	59	78	109	139	167	277	330	415	424	46		
(UPPER)	45° BEND	18	25	32	45	58	69	115	137	172	176	193		
	22-1/2° BEND	9	12	16	22	28	34	56	66	83	85	93		
VERTICAL	11-1/4° BEND	5	6	8	11	14	17	28	33	41	42	46		
>	5 5/8° BEND OR MJ SLEEVE	3	3	4	6	7	9	14	17	21	21	23		



DRWG.

SHEET 73 OF 86





APPENDIX A								S	TANDAR	D DRAWIN
HO	rizoi	NTAL	. PIPE	LINE	SEP	ARA		REQUIR	EMEN	TS
HOR	IZON	TAL	SEPAI	RATIC	ON RE	QUIF	REMEN	ITS (NO	TES 1	& 2)
PROPOSED U	TILITY	WA	ABLE .TER TE 3)		AIMED R MAIN		EWATER CEMA I N	SANITARY SEWER	STORM SEWER	STRUCTU FOUNDAT WALLS, E
		4"-12"	16"-UP	4"-12"	16"-UP	4"-12"	16"-UP	ALL SIZES	ALL SIZES	ALL SIZE
POTABLE WATER	4"-12"	3'	5'	3'	5'	6'	6'	6'	3'	10'
(NOTE 3)	16" - UP	5'	5'	5'	5'	6'	6'	6'	5'	15' (NOTE
RECLAIMED	4"-12"	3'	5'	3'	5'	3'	5'	3'	3'	10'
WATER MAIN	16" - UP	5'	5'	5'	5'	5'	5'	5'	5'	15' (NOTE
WASTEWATER	4"-12"	6'	6'	3'	5'	3'	5'	3'	3'	10'
FORCEMAIN	16" - UP	6'	6'	5'	5'	5'	5'	5'	5'	15' (NOTE
SANITARY SEWER	ALL SIZES	6'	6'	3'	5'	3'	5'	3'	5'	VARIES P DEPTH

- 3. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. 2 THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. FOR PIPES INSTALLED AT GREATER DEPTHS THAN THE MINIMUM
- AND MAINTENANCE. FOR PIPES INSTALLED AT GREATER DEPTHS THAN THE MINIMUM OCU DESIGN STANDARDS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC, VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5, FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES PRIOR TO INSTALLATION. NO WATER DIDE SMALL BASS THEOLOGY OF ON CONSTALLATION.
- NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE. PRESSURE MAINS 16 N TO 24 N MAY HAVE 10 FT SEPARATION FROM STRUCTURAL
- FOUNDATION WALLS FTC IS NEW MAINS ARE RESTRAINED FOR THE ENTIRE LENGTH UTILITY EASEMENT MAY BE REQUIRED.

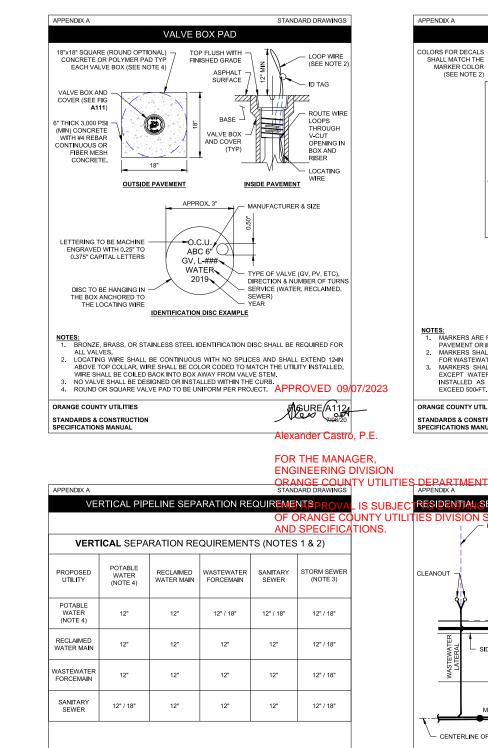
FIGURE A116-1

7/08/20

- ORANGE COUNTY UTILITIES

STANDARDS & CONSTRUCTION

SPECIFICATIONS MANUAL

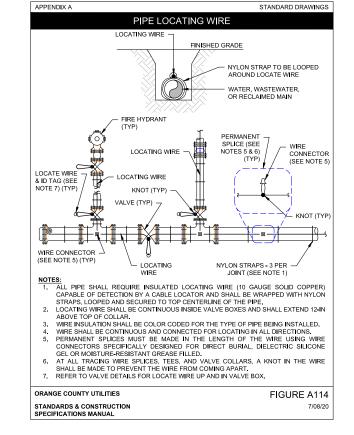


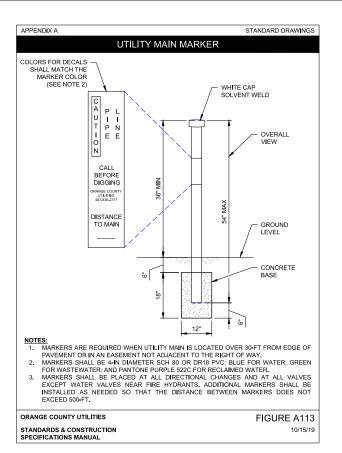
- NOTES: 1. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION
- AND MAINTENANCE. AND MAINTENANCE. THE 18-IN SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE OR SANITARY SEVER CROSSES ABOVE THE UTILITY MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24-IN. OTHERWISE, THE REQUIRED SEPARATION IS 12-IN. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS OUTLINED IN 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANTABY OP STORM WATER MANHOLE OR STOLUTIES
- REFERENCE FIGURE A116-1 FOR HORIZONTAL PIPELINE SEPARATION REQUIREMENTS.

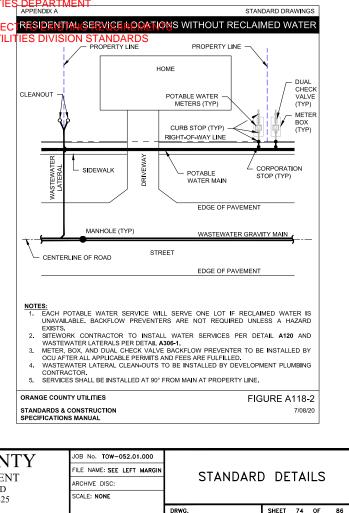
ORANGE COUNTY UTILITIES STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL

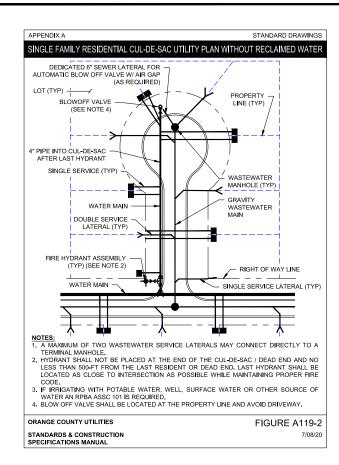
FIGURE A116-2 7/08/20

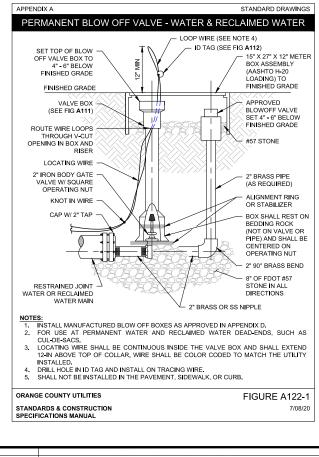


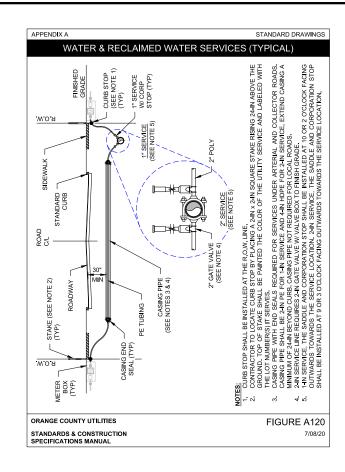












TEMPORARY BLOW OFF VALVE - WATER & RECLAIMED WATER

LOOP WIRE (SEE NOTE 3)

ID TAG (SEE FIG A112)

APPENDIX A

SET TOP OF BLOW OFF

BELOW FINISHED GRADE

ROUTE WIRE LOOPS

THROUGH V-CUT OPENING IN BOX AND

LOCATING WIRE

RESLIENT SEAT

GATE VALVE

KNOT IN WIRE

MECHANICAL JOINT

RESTRAINED JOINT WATER OR RECLAIMED WATER MAIN

ORANGE COUNTY UTILITIES

SPECIFICATIONS MANUAL

STANDARDS & CONSTRUCTION

VALVE BOX TO 4" - 6'

FINISHED GRADE

VALVE BOX

RISER

(SEE FIG A111)

STANDARD DRAWINGS

15" X 27" X 12" METER BOX ASSEMBLY (AASHTO H-20 LOADING TO

FINISHED GRADE

BLOWOFF VALVE SET 4" - 6" BELOW

FINISHED GRADE

ALIGNMENT RING

BOX SHALL REST ON

(NOT ON VALVE OR PIPE) AND SHALL BE CENTERED ON OPERATING NUT

OR STABILIZER

BEDDING ROCK

CAP W/ 2" TAP

2" BRASS PIPE

(AS REQUIRED)

8" OF FDOT #57

STONE IN ALL

2" BRASS OR SS

FIGURE A122-2

7/08/20

NIPPLE (UNION

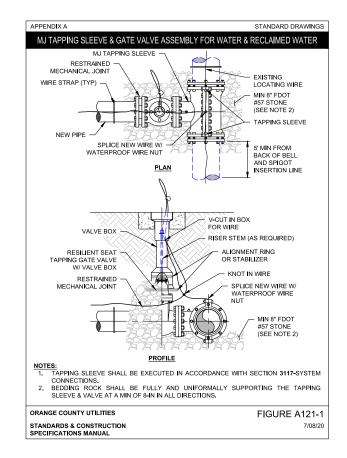
AS REQUIRED)

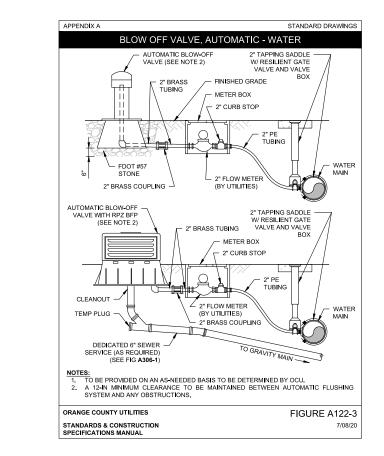
DIRECTIONS

2" 90° BEND (BRASS

APPROVED

#57 STONE





REV.	DATE	DESCRIPTION	APP'D BY	CM OTHERS		CHECKED BY: MBG DATE: MARCH 2023	Orlando, Florida 32803 407/493–9983	COUNTI	ORLANDO, FLORIDA 328 (407) 254-9900
			_	РМ/СМ ОМ		DESIGNED BY: MBG		Chine IV	9150 CURRY FORD ROAL
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				CLIENT		PEC SURVEYING AND MAPPING, LLC		()KANGE	ORANGE COU
				SIGN OFF		FIELD:		VICE EXCEPT	OD ANOT COUT

NOTES: 1. FOR USE AT PHASE LINES OR TEMPORARY TERMINATION POINTS. 2. LOCATING WIRE SHALL BE CONTINUOUS INSIDE THE VALVE BOX AND SHALL EXTEND 12-IN ABOVE TOP OF COLLAR. WIRE SHALL BE COLOR CODED TO MATCH THE UTILITY INSTALLED –

3 DRILL HOLE IN ID TAG AND INSTALL ON TRACING WIRE.

APPROVED 09/07/2023

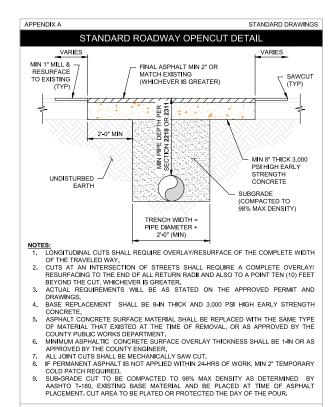
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Alexander Castro, P.E.

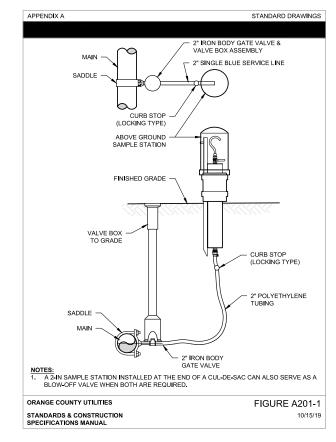
FOR THE MANAGER ENGINEERING DIVISION ORANGE COUNTY UTILITIES DEPARTMENT

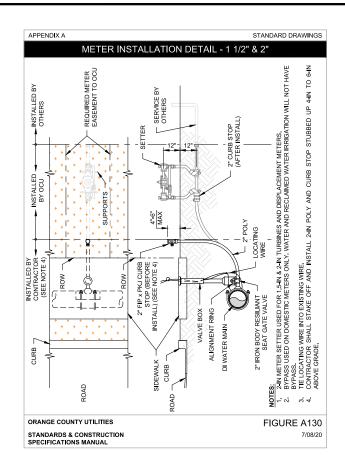
THIS APPROVAL IS SUBJECT TO EXISTING REQUIREMENTS OF ORANGE COUNTY UTILITIES DIVISION STANDARDS AND SPECIFICATIONS.

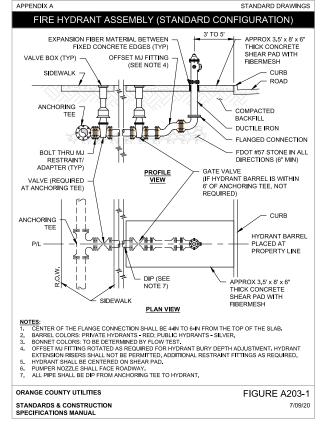
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		DRWG.	SHEET 75 OF 86

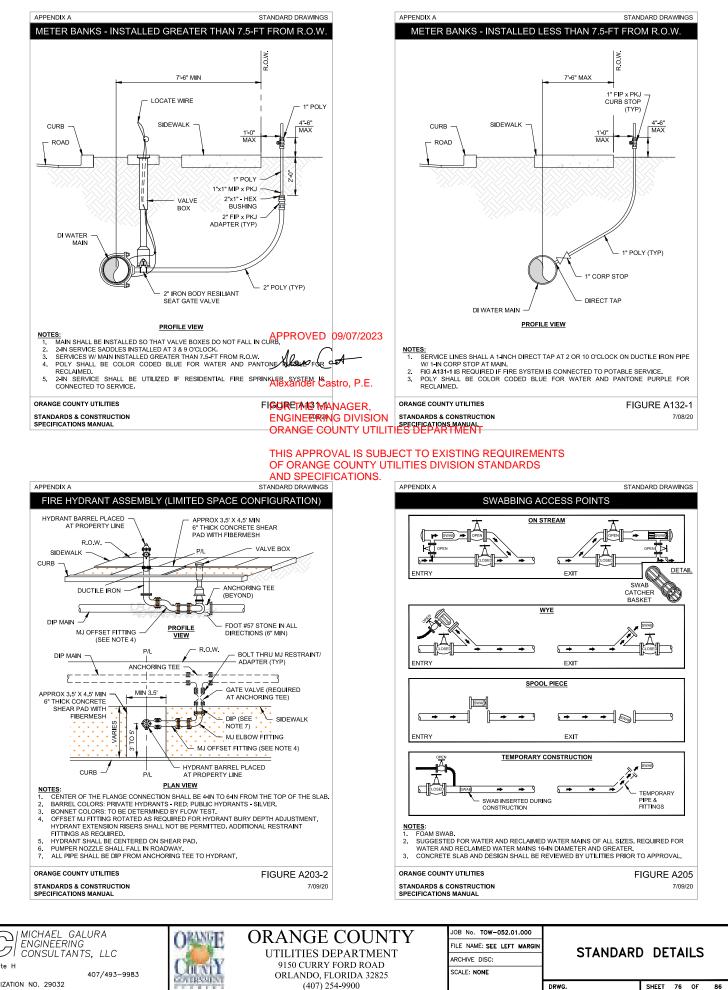


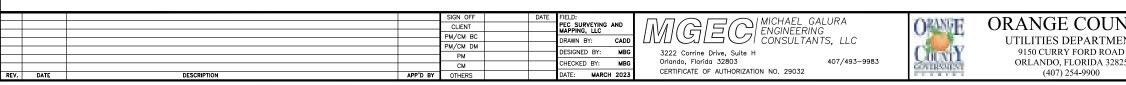
ORANGE COUNTY UTILITIES	FIGURE A124
STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL	7/08/20







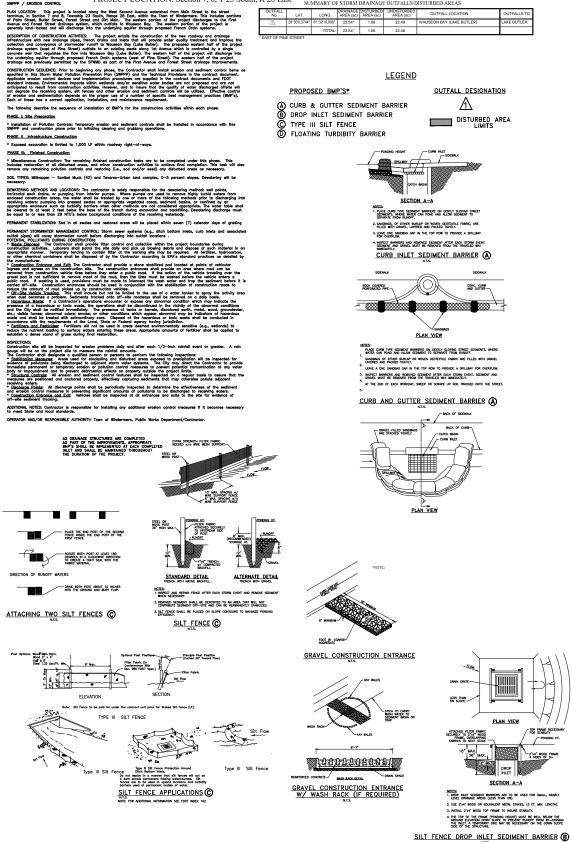




SWPPP / EROSION CONTROL PLAN

TOTAL PROJECT AREA:	5.63 acres
DISTURBED AREA:	1.82 acres
UNDISTURBED AREA:	3.81 acres

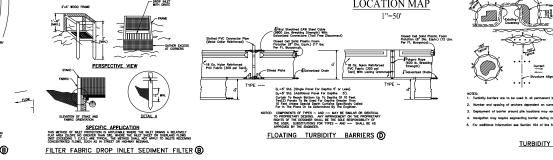
TOWN OF WINDERMERE - DEPARTMENT OF PUBLIC WORKS 2nd Avenue Roadway and Drainage Improvements PROJECT No. TOW-052.01.000 PROJECT LOCATION: Section 7, 8, T 23 South, R 28 East summary of storm drainage outfalls disturbed areas SWPPP / EROSION CONTROL





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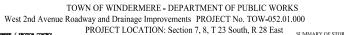
REV.	DATE	DESCRIPTION	APP'D BY	PM/CM DM PM CM OTHERS		DRAWN BY: CADD DESIGNED BY: MBG CHECKED BY: MBG DATE: NOVEMBER 2023	3222 Corrine Drive, Suite H Orlando, Florido 32803 407/493-9983	T	PUBLIC WORKS DEPARTY 614 MAIN STREET, WINDERMERE, FLO
				CLIENT PM/CM BC PM/CM DM		PEC SURVEYING AND MAPPING, LLC DRAWN BY: CADD	」 / / / / (() / 戶 (() / ENGINEERING	111	TOWN OF WINDE
				SIGN OFF	DA	E FIELD:		0000	

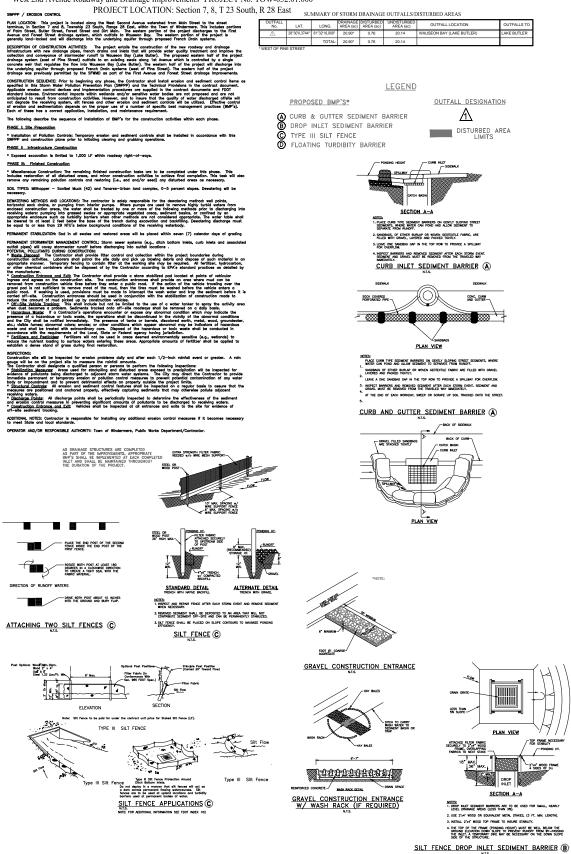
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INCLUSION CONTRACTOR C	E LEFT MARGIN PREVEI COI	ATER POLLUTION NTION/EROSION NTROL PLAN
	DRWG.	SHEET 77 OF 86

SWPPP / EROSION CONTROL PLAN

TOTAL PROJECT AREA: 5.63 acres DISTURBED AREA: 1.82 acres UNDISTURBED AREA: 3.81 acres





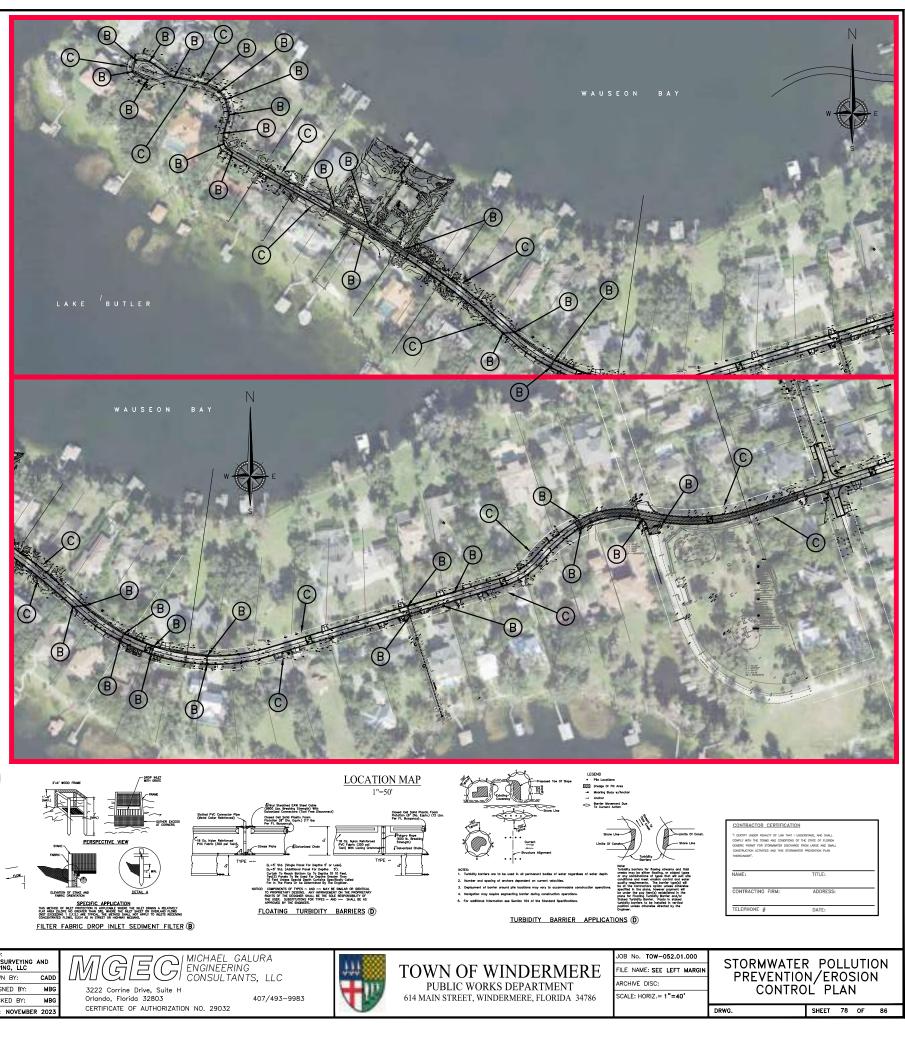
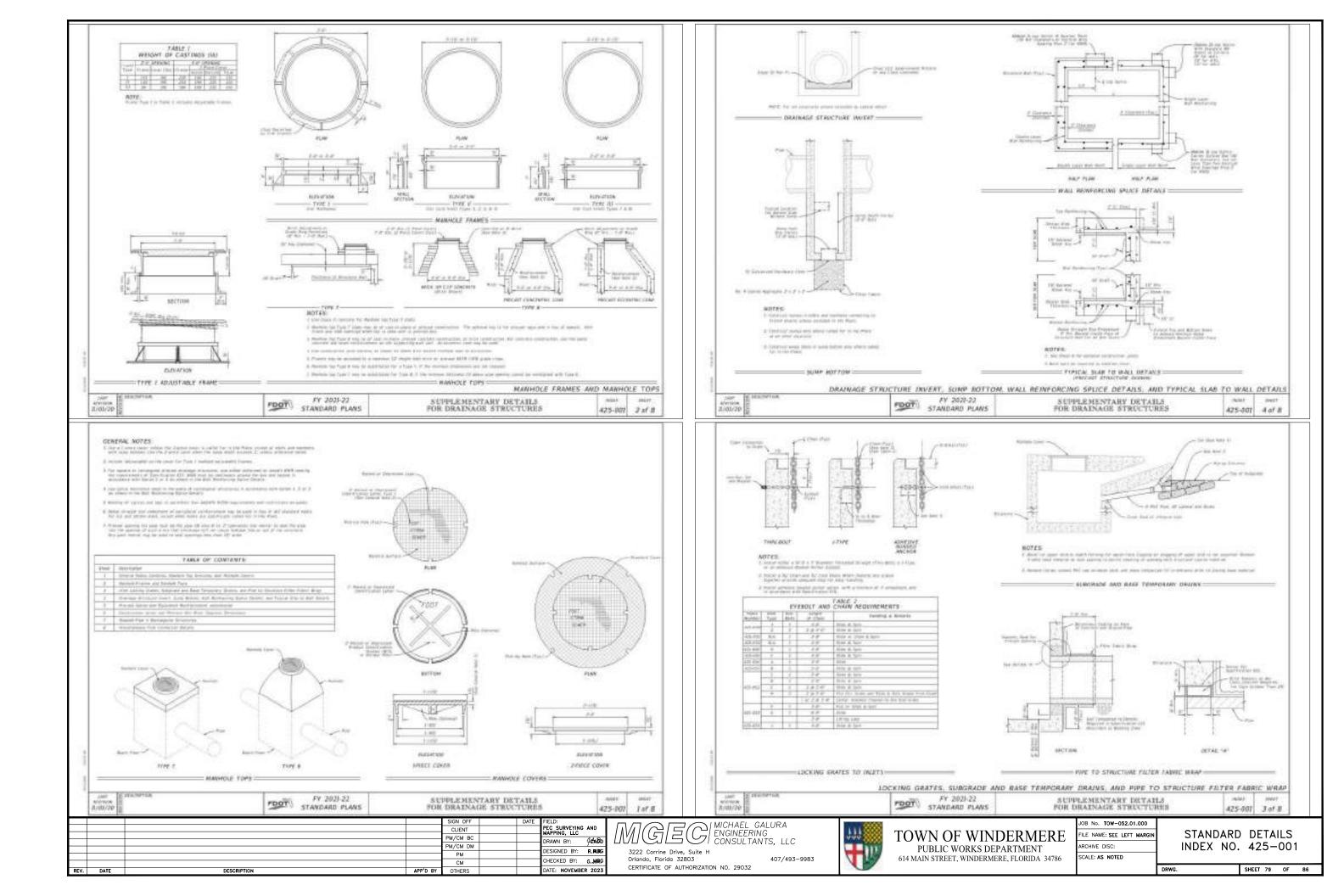
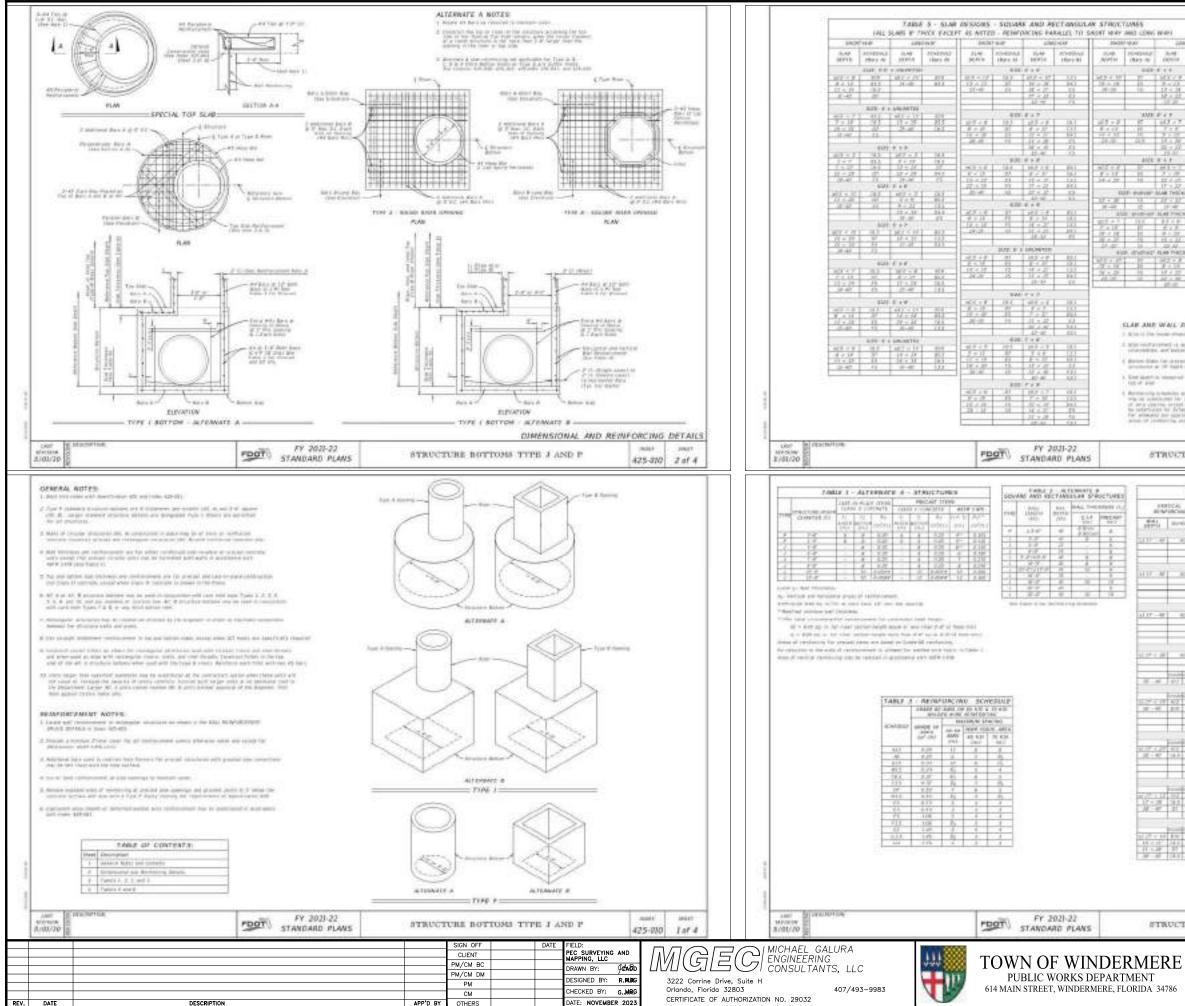


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TABLES 5 AND 6

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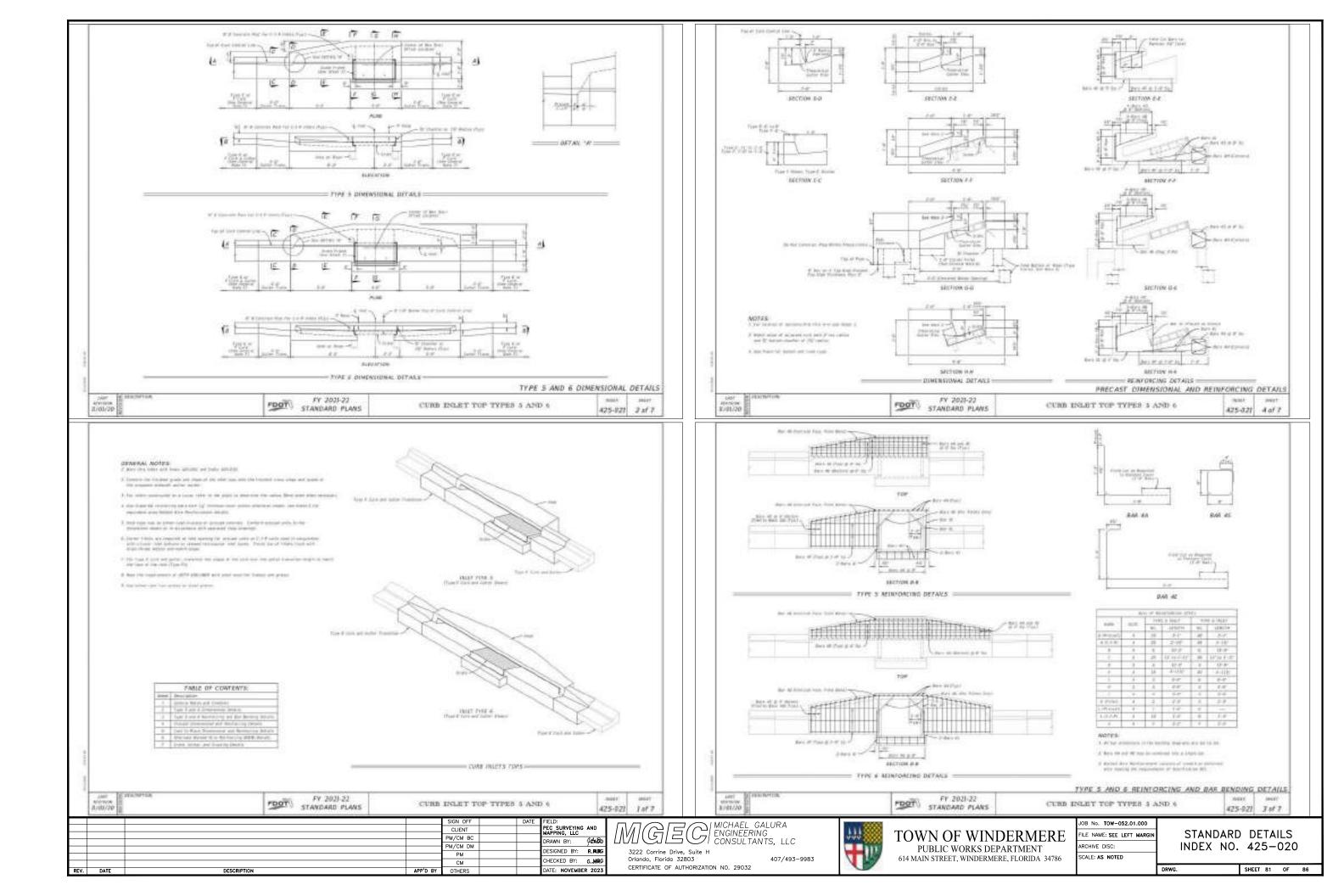
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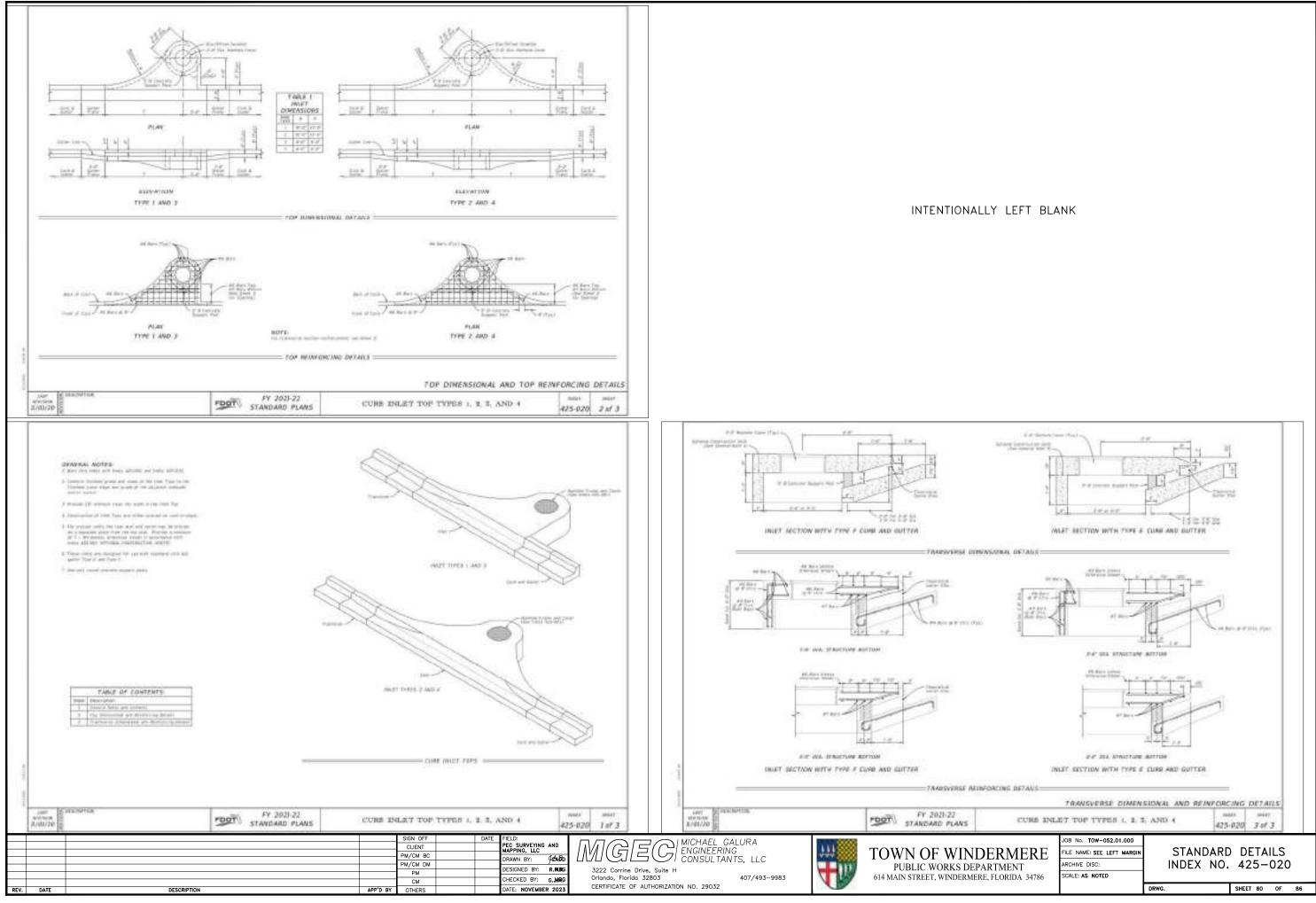
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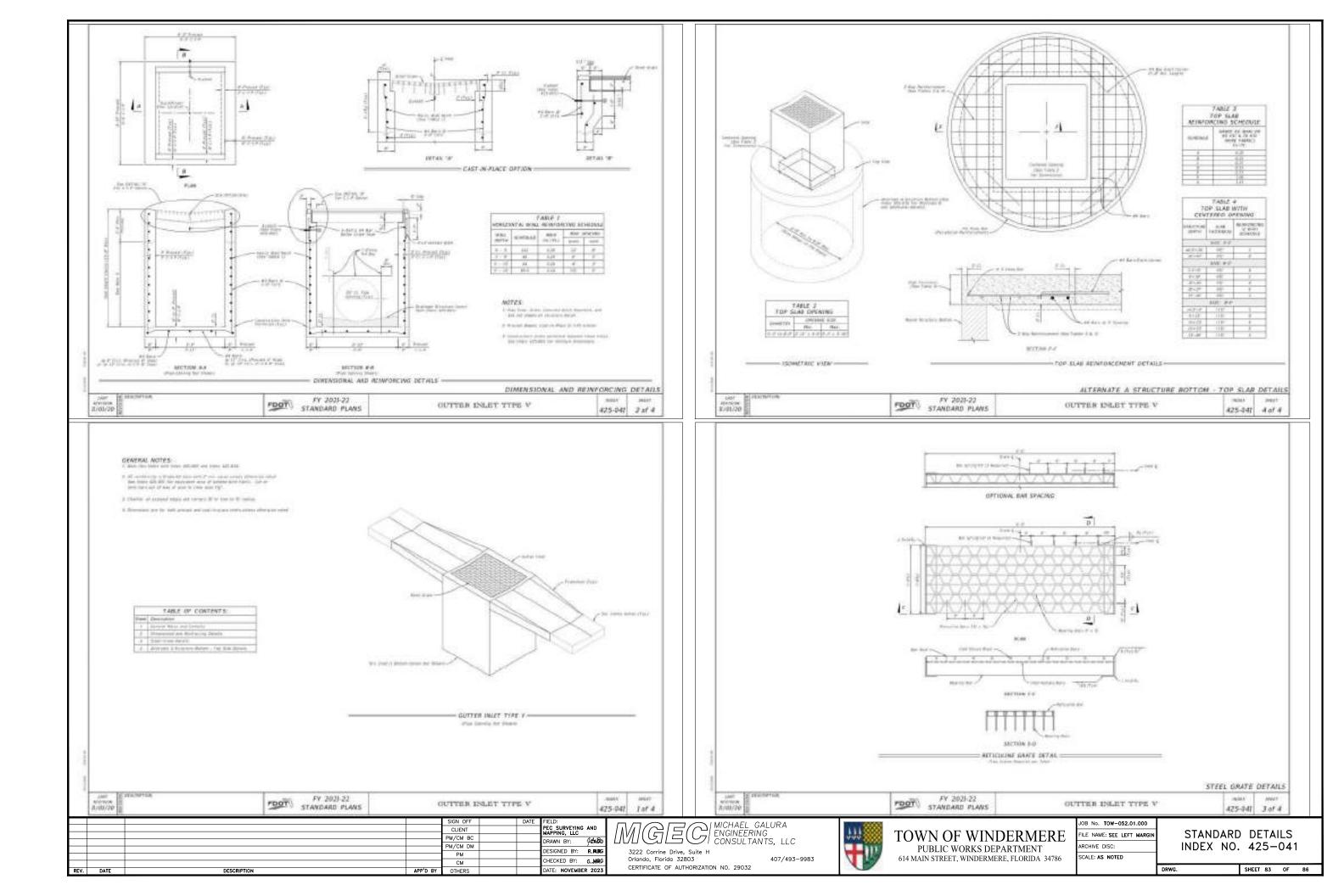
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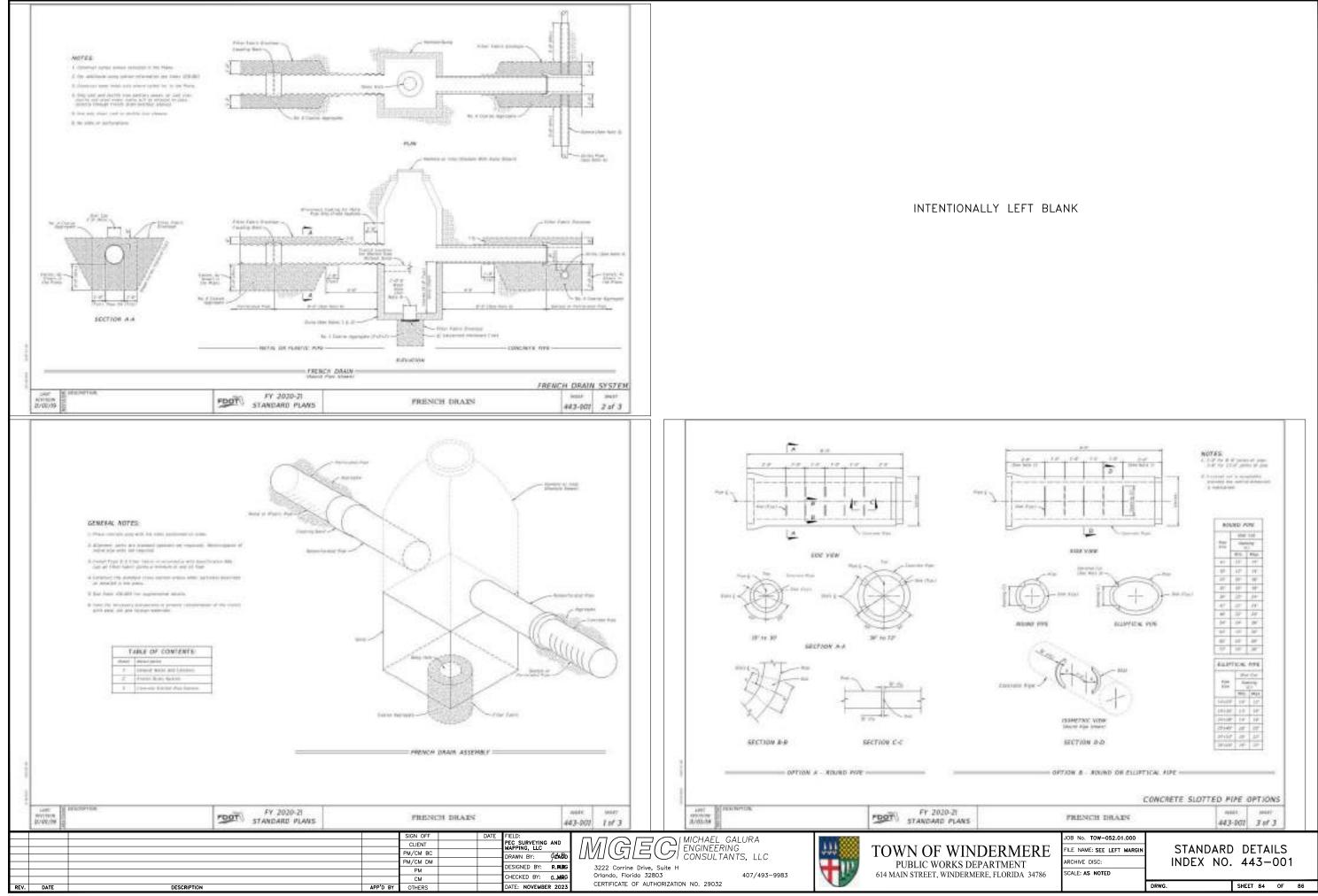
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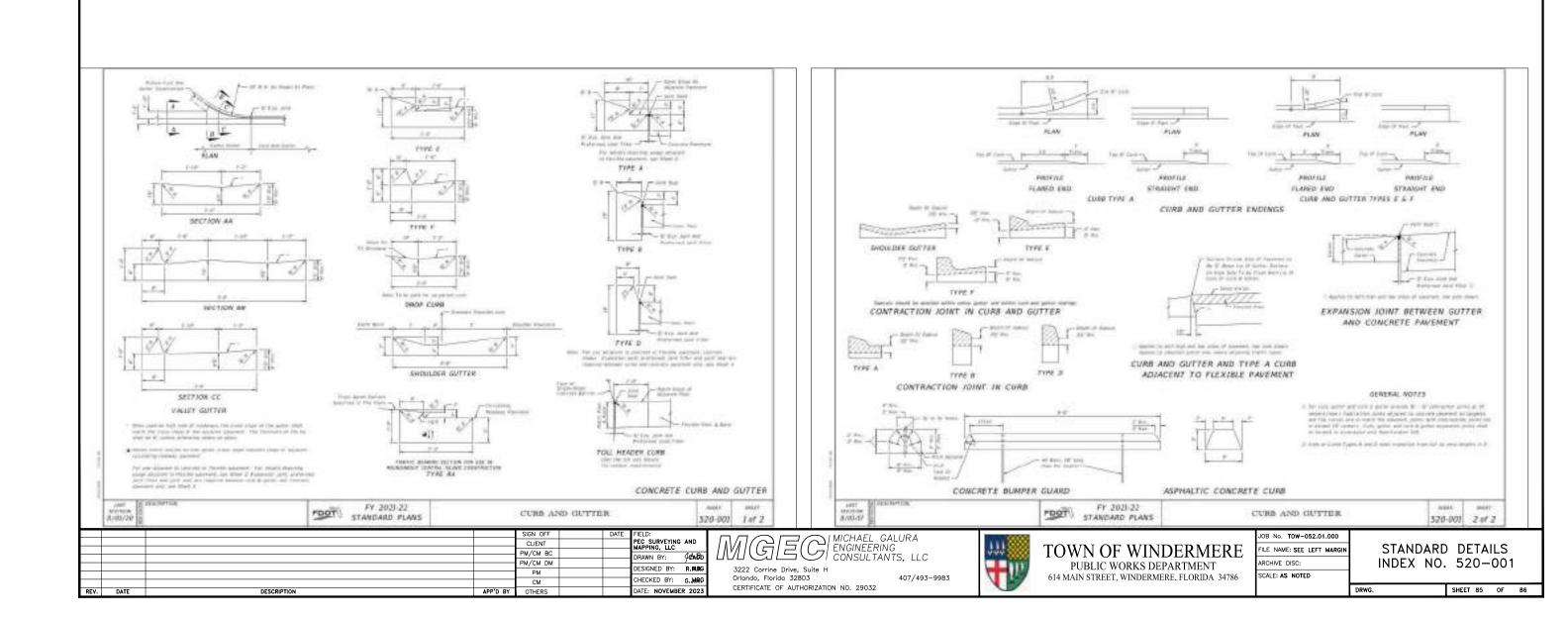
SHEET 80 OF 86











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NOTE 1: PERMANENT PAVEMENT MARKINGS SHALL BE ALKYD THERMOPLASTIC WITH GLASS BEADS OR REFLECTIVE HEAT TRANSFER TAPE. CONTRACTOR SHALL SUBMIT SPECIFICATIONS TO THE TOWN FOR APPROVAL PRIOR TO INSTALLATION.

6'

PAVEMENT CENTERLINE

12" WHITE (THERMOPLASTIC)

EDGE OF PAVEMENT

TRAFFIC FLOW

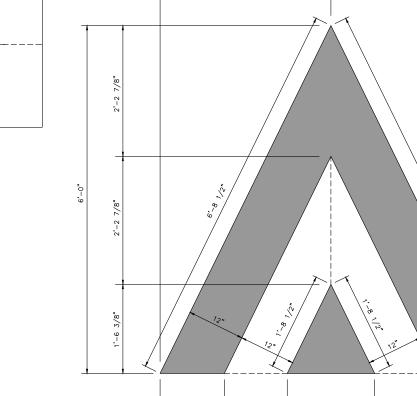
> NOTE 2: IF PERMANENT PAVEMENT MARKINGS ARE NOT INSTALLED PRIOR TO MOUNDED ASPHALT BEING OPEN TO TRAFFIC, THEN THE CONTRACTOR SHALL PROVIDE TEMPORARY 6" WHITE STRIPING AS SHOWN ABOVE, UPON COMPLETION OF THE PERMANENT MARKINGS, ALL TEMPORARY MARKINGS SHALL BE REMOVED BY THE CONTRACTOR. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED WITHIN A MUNITUM OF CONTRACTOR. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED WITHIN A MAXIMUM OF SEVEN (7) CALENDAR DAYS AFTER ASPHALT MOUND INSTALLATION.

SPEED HUMP

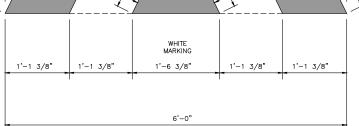
CL OF SPEED HUMP STATION LOCATION REFERENCE

EDGE OF

12" WHITE (THERMOPLASTIC)



3'-0"



6'-0"

3'-0"

TRAFFIC FLOW

6

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- 2.
- DISTRIBUTION.

REV. DATE DESCRIPTION APP D BT OTHERS DATE:	REV.	DATE	DESCRIPTION	APP'D BY	SIGN OFF CLIENT PM/CM BC PM/CM DM PM CM OTHERS			FIELD: DRAWN BY: DESIGNED BY: CHECKED BY: DATE:	MICHAEL GALURA ENGINEERING CONSULTANTS, LLC 3222 Corrine Drive, Suite H Orlando, Florida 32803 CERTIFICATE OF AUTHORIZATION NO. 29032		TOWN OF WINDE PUBLIC WORKS DEPAR 614 MAIN STREET, WINDERMERE, F
---------------------------------------------	------	------	-------------	----------	------------------------------------------------------------------	--	--	-------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------	--	-----------------------------------------------------------------------

GENERAL NOTES

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION AND REVISIONS) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN STANDARDS THE THE FLORIDA GREEN BOOK (LATEST EDITIONS AND REVISIONS).

CONTRACTOR SHALL PROVIDE A MAINTENANCE OF TRAFFIC PLAN THAT IS DESIGNED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA, FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. THE PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE MUTCD AND FDOT TRAFFIC DESIGN STANDARDS (LATEST EDITION AND REVISIONS).

3. LOCAL RESIDENTIAL ACCESS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL PROVIDE A WRITTEN NOTIFICATION TO THE RESIDENTS AFFECTED BY CONSTRUCTION ONE (1) WEEK IN ADVANCE OF THE START OF ANY PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE COPIES OF THE NOTIFICATION TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO

4. THE TOWN OF WINDERMERE RESERVES THE RIGHT TO REQUIRE ADDITIONAL DEVICES AND/OR CHANGES TO THE TRAFFIC CONTROL PLAN BASED ON CHANGING TRAFFIC CONDITIONS.

5. ANY CHANGES MADE TO THE TRAFFIC CONTROL PLAN SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND APPROVED BY THE TOWN PRIOR TO IMPLEMENTATION.

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MENT
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SHEET 86 OF 86