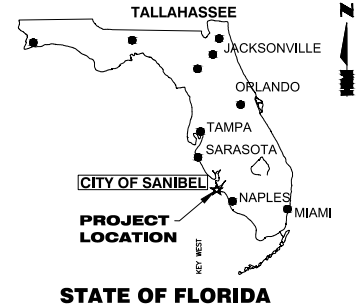


reviewed
MIU BB
7/21/25

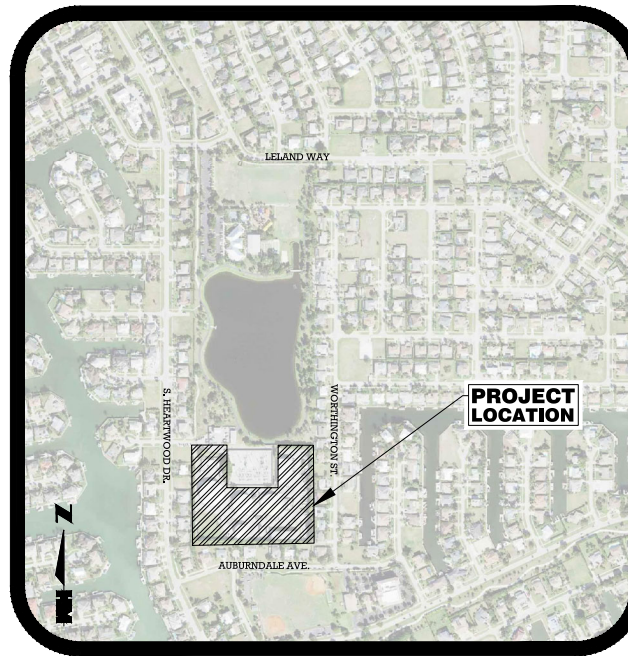
CITY OF MARCO ISLAND SOUTH WATER TREATMENT PLANT

ADDRESS: 415 LILY COURT
MARCO ISLAND, FLORIDA 34145
MARCO ISLAND, FLORIDA
DATE: FEBRUARY, 2024



INDEX OF SHEETS:

01	COVER SHEET
02	GENERAL NOTES
03	2006 AERIAL
04	2006 SITE PLAN
05	2022 AERIAL
06	2023 DEMO PLAN
07	2023 SITE PLAN
08	TYPICAL DETAILS
09	EROSION CONTROL PLAN



GENERAL STATEMENT:

INCLUDED HEREIN ARE SITE IMPROVEMENTS ASSOCIATED WITH THE CITY OF MARCO ISLAND'S SOUTH WATER TREATMENT PLANT. THE IMPROVEMENTS ARE TO INCLUDE THE ADDITION OF A MAINTENANCE BUILDING WITH ASSOCIATED PARKING AND DRAINAGE. IMPROVEMENTS TO BE COMPLETED IN MULTIPLE PHASES.

PREPARED FOR:

DEVELOPER / OWNER:
CITY OF MARCO ISLAND
50 BALD EAGLE DRIVE
MARCO ISLAND, FLORIDA 34145
PHONE - (239) 389 - 5000

LOCATION MAP

SECTION 17, TOWNSHIP 52 SOUTH, RANGE 26 EAST
STRAP No. 783300 G 77B21

THE CONTRACTOR SHALL VERIFY LOCATION OF
UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
"ALWAYS CALL 811 BEFORE YOU DIG"
WWW.SUNSHINE811.COM

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.

Charles
L. Krebs
2024.05.
14
16:40:36
-04'00"

This item has been digitally
signed and sealed by Charles
L. Krebs, P.E. on 05/14/2024.
Printed copies of this
document are not considered
signed and sealed and the
signature must be verified on
any electronic copies.

PREPARED BY :



6200 Whiskey Creek Drive
Fort Myers, FL, 33919
Phone : (239) 985-1200
Florida Certificate of
Authorization No.1772

DRAWING CURRENT AS OF: 5/14/24			CAD FILE NAME:	DRAWING NO.:
			22015.CVR	1530
			PROJECT NO.:	SHEET NO.:
			2022.051	01

- ABBREVIATIONS:

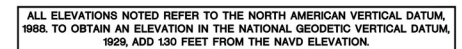
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CITY OF MARCO ISLAND		CAD FILE NAME:		22051.GN	
SOUTH WATER TREATMENT PLANT		PROJECT NO.		1530-02	
MARCO ISLAND, FLORIDA		2022.051		SHEET 02	

GENERAL NOTES	
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE (FBC) AND THE FLORIDA ELECTRICAL CODE (FEC). 2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE MARCO ISLAND ENGINEERING DEPARTMENT. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE MARCO ISLAND ENGINEERING DEPARTMENT. 4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. 6. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE MARCO ISLAND ENGINEERING DEPARTMENT. 8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. 10. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES.	11. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE (FBC) AND THE FLORIDA ELECTRICAL CODE (FEC). 12. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE MARCO ISLAND ENGINEERING DEPARTMENT. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE MARCO ISLAND ENGINEERING DEPARTMENT. 14. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. 16. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES. 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE MARCO ISLAND ENGINEERING DEPARTMENT. 18. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. 20. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES.

6200 Whiskey Creek Drive Fort Myers, FL 33919 Phone: (239) 985-1200 Florida Certificate of Authorization No. 1772	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A
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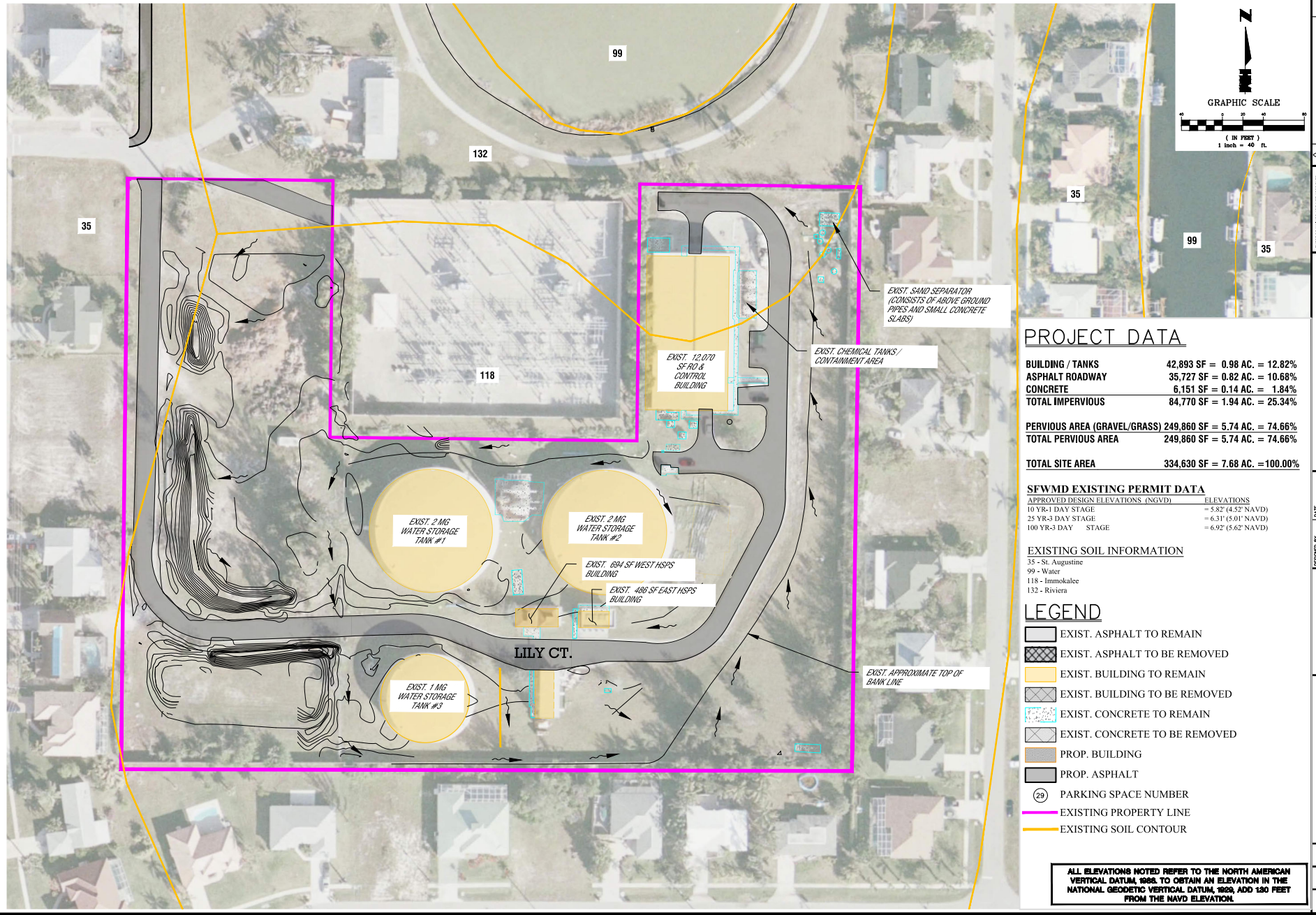
6200 Whiskey Creek Drive Fort Myers, FL 33919 Phone: (239) 985-1200 Florida Certificate of Authorization No. 1772	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A	DATE: 06/2023 CHECKED BY: M.M.D. DATE: 06/2023 PROJECT NO.: N/A SHEET NO.: N/A
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CITY OF MARCO ISLAND SOUTH WATER TREATMENT PLANT		2006		 H&M HOLEMAN-MCCARTHY WATER TREATMENT & WATER SERVICES		6200 Whiskey Creek Drive Fort Myers, FL 33919 Phone: (239) 985-1200 Florida Certificate of Registration #A0001772		DATE 04/2023 DATE 04/2023 DATE 04/2023 DATE 04/2023		REVISIONS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 	
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February 23, 2024



PROJECT DATA

BUILDING / TANKS	42,893 SF = 0.98 AC. = 12.82%
ASPHALT ROADWAY	35,727 SF = 0.82 AC. = 10.68%
CONCRETE	6,151 SF = 0.14 AC. = 1.84%
TOTAL IMPERVIOUS	84,770 SF = 1.94 AC. = 25.34%
PERVIOUS AREA (GRAVEL/GRASS)	249,860 SF = 5.74 AC. = 74.66%
TOTAL PERVIOUS AREA	249,860 SF = 5.74 AC. = 74.66%
TOTAL SITE AREA	334,630 SF = 7.68 AC. = 100.00%

SEWMD EXISTING PERMIT DATA

APPROVED DESIGN ELEVATIONS (NGVD)		ELEVATIONS
10 YR-1 DAY STAGE		= 5.82' (4.52' NAVD)
25 YR-3 DAY STAGE		= 6.31' (5.01' NAVD)
100 YR-3 DAY STAGE		= 6.92' (5.62' NAVD)

EXISTING SOIL INFORMATION

35 - St. Augustine
99 - Water
118 - Immokalee
132 - Riviera

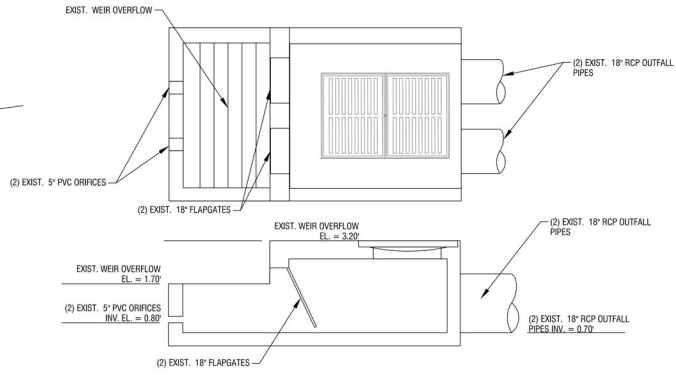
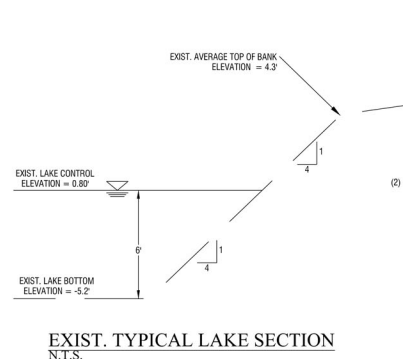
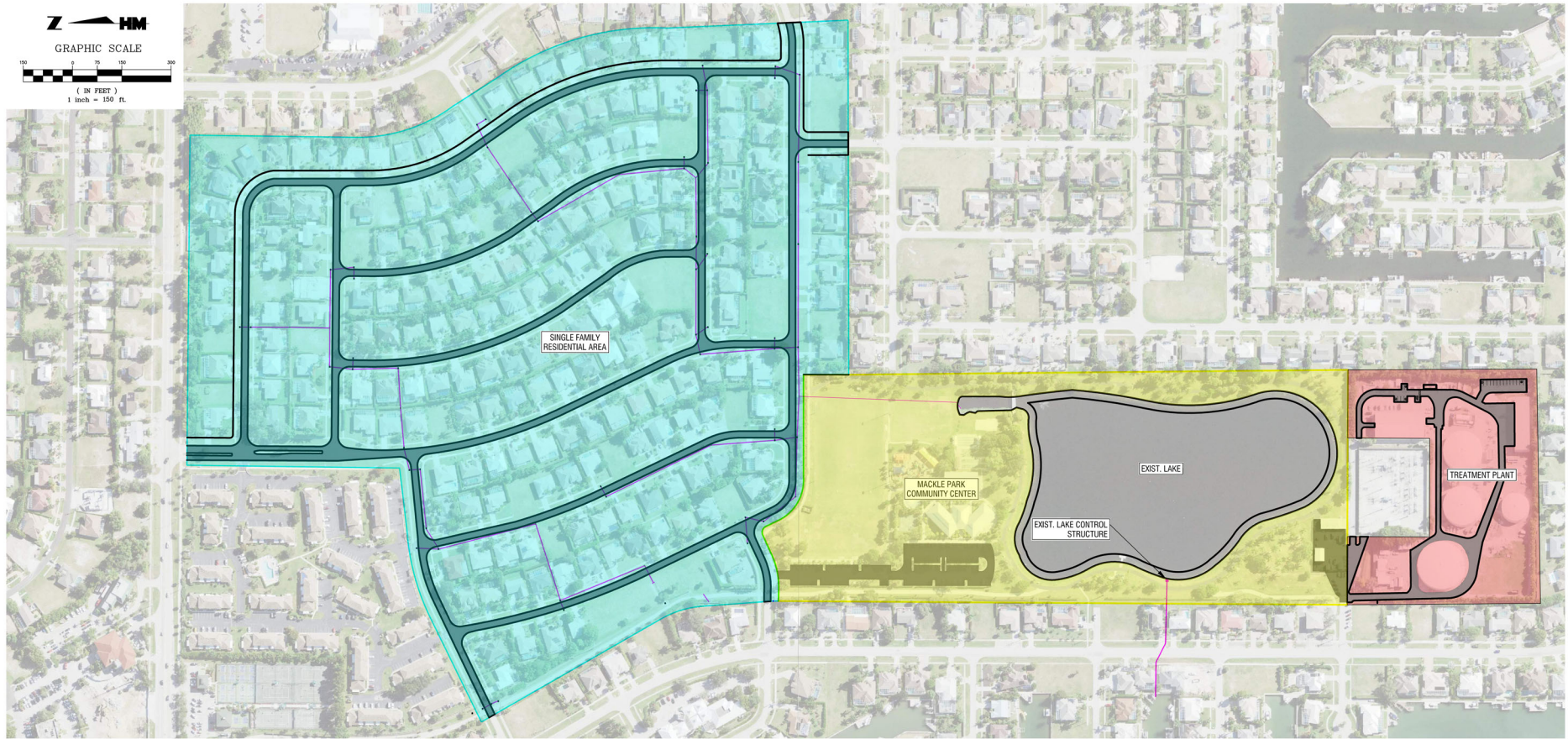
LEGEND

- EXIST. ASPHALT TO REMAIN
- EXIST. ASPHALT TO BE REMOVED
- EXIST. BUILDING TO REMAIN
- EXIST. BUILDING TO BE REMOVED
- EXIST. CONCRETE TO REMAIN
- EXIST. CONCRETE TO BE REMOVED
- PROP. BUILDING
- PROP. ASPHALT
- (29) PARKING SPACE NUMBER
- EXISTING PROPERTY LINE
- EXISTING SOIL CONTOUR

ALL ELEVATIONS NOTED REFER TO THE NORTH AMERICAN VERTICAL DATUM, 1988. TO OBTAIN AN ELEVATION IN THE NATIONAL GEODETIC VERTICAL DATUM, 1988, ADD 1.80 FEET FROM THE NAVD ELEVATION.

DATE	06/2023	DATE	06/2023	DATE	06/2023
DESIGNED BY	CLK	DATE	06/2023	DATE	06/2023
CHECKED BY	CLK	DATE	06/2023	DATE	06/2023
APPROVED BY	CLK	DATE	06/2023	DATE	06/2023
PROJECT NO.	2022.051	SHEET	04	REVISIONS	
CITY OF MARCO ISLAND SOUTH WATER TREATMENT PLANT MARCO ISLAND, FLORIDA					
2006 SITE PLAN					
6200 Whiskey Creek Drive Fort Myers, FL 33919 Phone: (239) 985-1200 Florida Certificate of Authorization No. 1772					
HOLEMONES HOLEMONES ENGINEERING, P.A. 10000 W. GULF BLVD., SUITE 100 FORT MYERS, FL 33907					

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- LEGEND:**
- TREATMENT PLANT BASIN
 - SINGLE FAMILY RESIDENTIAL BASIN
 - PARK BASIN

EXIST. STORM STAGING:
(NGVD DATUM)

10 YEAR - 24 HOUR = 5.82' (4.52' NAVD)
 25 YEAR - 72 HOUR = 6.31' (5.01' NAVD)
 100 YEAR - 72 HOUR = 6.92' (5.62' NAVD)

CALCULATED STORM STAGING:
(NGVD DATUM)

10 YEAR - 24 HOUR = 4.15' (2.85' NAVD)
 25 YEAR - 72 HOUR = 5.23' (3.93' NAVD)
 100 YEAR - 72 HOUR = 5.70' (4.40' NAVD)

ALL ELEVATIONS NOTED REFER TO THE NORTH AMERICAN VERTICAL DATUM, 1988. TO OBTAIN AN ELEVATION IN THE NATIONAL GEODETIC VERTICAL DATUM, 1928, ADD 130 FEET FROM THE NAVD ELEVATION.

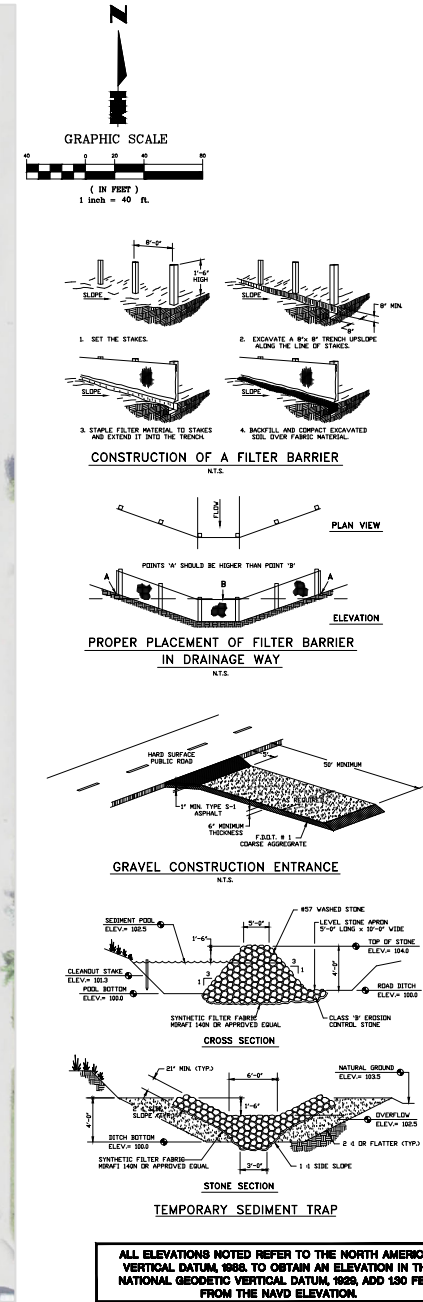
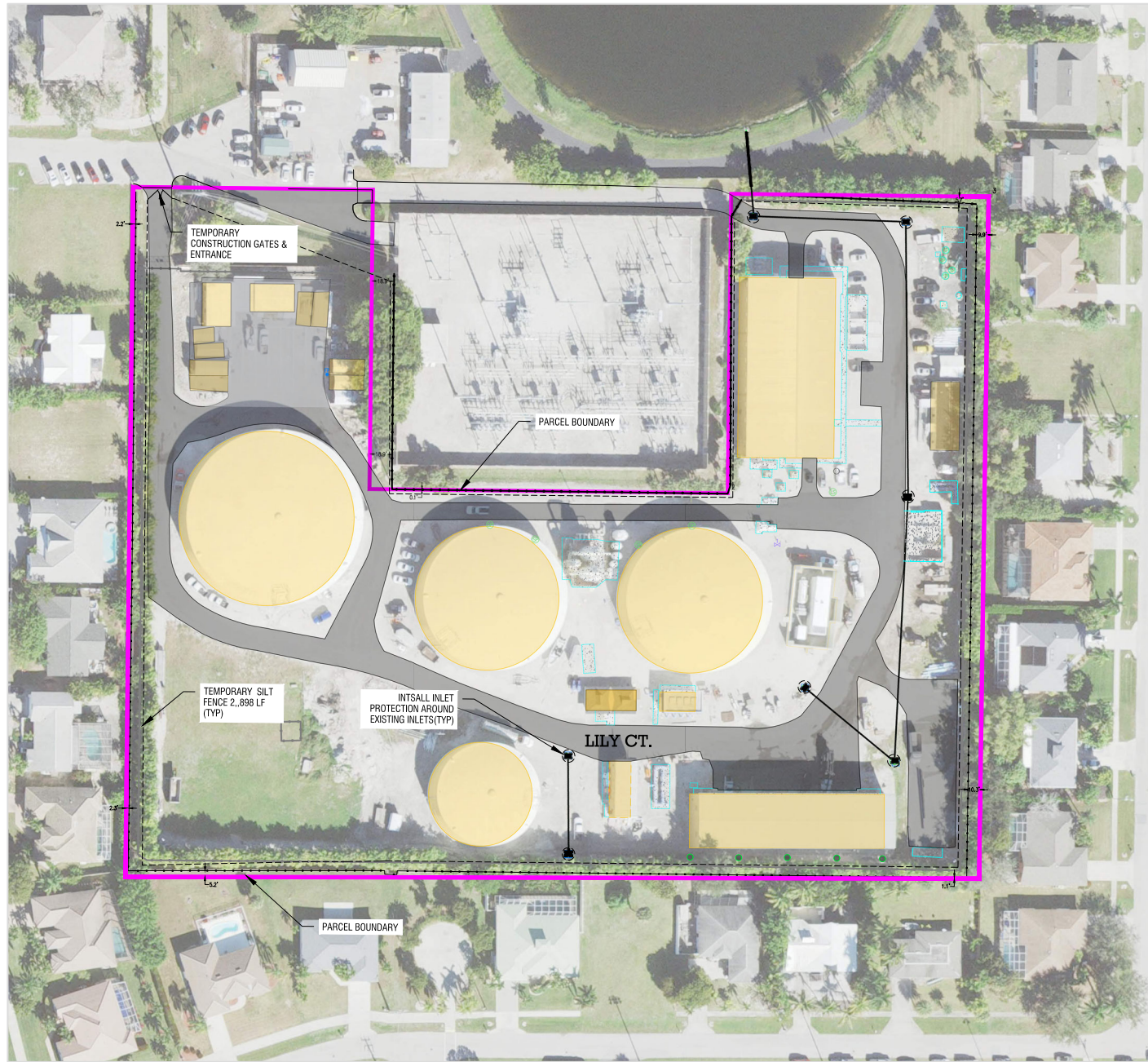
HMI HOLMONTES Professional Engineers & Surveyors	
6200 Whiskey Creek Drive Fort Myers, FL 33919 Phone: (239) 985-1200 Florida Certificate of Authorization No. 1772	
DESIGNED BY: WMD CHECKED BY: WMD DATE: 04/2023 SCALE: N/A	DATE: 04/2023 SCALE: N/A
2022 AERIAL	
CITY OF MARCO ISLAND SOUTH WATER TREATMENT PLANT	
MARCO ISLAND, FLORIDA	
CAD FILE NAME: 22051.EXH DRAWING NO.: 1530-05 PROJECT NO.: 2022.051 SHEET: 05	







CAD FILE NAME: 22051.TDET	
DRAWING NO.: 1530-08	
PROJECT NO.: 2022.051	SHEET 08

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