

WILSON GROVES

PARCEL A PLAT 2

City of Port St. Lucie

PAVING, GRADING, & DRAINAGE PLANS & DETAILS

REVISION INDEX		
REVISION No.	DATE	SHEET NUMBERS

GOVERNING SPECIFICATIONS:
CITY OF PORT ST. LUCIE PUBLIC WORKS DEPARTMENT ENGINEERING STANDARDS
FOR LAND DEVELOPMENT (MOST CURRENT EDITION). AS AMENDED BY CONTRACT
DOCUMENTS.

DEVELOPER:

ACR ACQUISITION, LLC
7111 FAIRWAY DRIVE, SUITE 210
PALM BEACH GARDENS, FL 33418

Description	Found (Yes/No)	Agency Contact Information	Management Plan (Yes/No)	Relocation Plan (Yes/No)
Wetlands	No	SFWMD/FDEP	No	No
Rare Habitat	No	SFWMD/FWC	No	No
Threatened Species	No	SFWMD/FWC	NA	NA
Endangered Species	No	SFWMD/FWC	NA	NA
Species of Special Concern	No	SFWMD/FWC	NA	NA
Invasive/Exotic Vegetation	No	City/County	NA	NA

LOCATION MAP

n.t.s. SEC. 31, 32, TWP. 37, RGE. 39



INDEX

- PD-01 Cover Page
- PD-02 Overall Stormwater Management Plan
- PD-03 - PD-16 Paving, Grading, & Drainage Plans
- PD-17 Typical Sections
- PD-18 - PD-21 Paving, Grading, & Drainage Details
- PD-22 Pollution Prevention Plan

LEGAL DESCRIPTION:

A PORTION OF BLOCK 6 TRACT 3, BLOCK 3, BLOCK 8 AND BLOCK 9 OF THE PLAT OF THE ALAN WILSON GROVE, AS RECORDED IN PLAT BOOK 12, PAGES 50 AND 50A, BEING A PORTION OF THOSE LANDS AS DESCRIBED AND RECORDED IN OFFICIAL RECORD BOOK 3046, PAGE 2761, TOGETHER WITH ALL OF TRACT 0-8 AND TRACT 0-11, OF THE PLAT OF WILSON GROVES PARCEL A PLAT 1, AS RECORDED IN PLAT BOOK 126, PAGE 30, OF THE PUBLIC RECORDS OF THE PUBLIC RECORDS OF ST. LUCIE COUNTY, FLORIDA, LYING IN SECTIONS 29 AND 32, TOWNSHIP 37 SOUTH, RANGE 39 EAST, CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER SECTION 29, TOWNSHIP 37 SOUTH, RANGE 39, EAST, ST. LUCIE COUNTY FLORIDA; THENCE SOUTH 89°31'38" WEST, A DISTANCE OF 75.00 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 00°28'07" EAST, A DISTANCE OF 2415.10 FEET; THENCE SOUTH 89°31'48" WEST, A DISTANCE OF 50.00 FEET TO A POINT ON A CURVE OF A NON-TANGENT CURVE TO THE RIGHT, OF WHICH THE RADIUS POINT LIES SOUTH 89°31'53" WEST, A RADIAL DISTANCE OF 170.00 FEET; THENCE SOUTHWESTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 96°08'12", A DISTANCE OF 285.24 FEET TO A POINT OF COMPOUND CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 1996.00 FEET AND A CENTRAL ANGLE OF 19°16'45"; THENCE WESTERLY ALONG THE ARC, A DISTANCE OF 671.63 FEET; THENCE NORTH 21°21'24" EAST, A DISTANCE OF 276.80 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 875.00 FEET AND A CENTRAL ANGLE OF 21°49'36"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 333.33 FEET; THENCE NORTH 00°28'12" WEST, A DISTANCE OF 194.59 FEET; THENCE NORTH 70°55'43" WEST, A DISTANCE OF 8.25 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 179.00 FEET AND A CENTRAL ANGLE OF 19°32'24"; THENCE WESTERLY ALONG THE ARC A DISTANCE OF 61.05 FEET; THENCE SOUTH 89°31'53" WEST, A DISTANCE OF 148.36 FEET; THENCE NORTH 00°28'13" WEST, A DISTANCE OF 583.12 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 1,240.00 FEET AND A CENTRAL ANGLE OF 92°56'08"; THENCE NORTHWESTERLY ALONG THE ARC A DISTANCE OF 2,011.32 FEET; THENCE SOUTH 86°35'39" WEST, A DISTANCE OF 73.67 FEET; THENCE SOUTH 00°04'45" WEST, A DISTANCE OF 530.58 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 345.00 FEET AND A CENTRAL ANGLE OF 15°32'31"; THENCE SOUTHERLY ALONG THE ARC A DISTANCE OF 93.58 FEET; THENCE SOUTH 15°27'46" EAST, A DISTANCE OF 377.57 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 655.00 FEET AND A CENTRAL ANGLE OF 25°52'58"; THENCE SOUTHERLY ALONG THE ARC A DISTANCE OF 295.89 FEET; THENCE SOUTH 10°25'11" WEST, A DISTANCE OF 387.37 FEET BEING A POINT ON A CURVE OF A NON-TANGENT CURVE TO THE RIGHT, OF WHICH THE RADIUS POINT LIES SOUTH 11°19'33" WEST, A RADIAL DISTANCE OF 2,456.00 FEET; THENCE EASTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 0°3'01"3", A DISTANCE OF 150.18 FEET; THENCE NORTH 10°25'11" EAST, A DISTANCE OF 509.23 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 742.00

FEET AND A CENTRAL ANGLE OF 45°48'21"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 593.20 FEET; THENCE NORTH 56°13'32" EAST, A DISTANCE OF 471.02 FEET TO A POINT ON A CURVE OF A NON-TANGENT CURVE TO THE RIGHT, OF WHICH THE RADIUS POINT LIES SOUTH 47°29'56" WEST, A RADIAL DISTANCE OF 1,160.00 FEET; THENCE SOUTHEASTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 16°51'16", A DISTANCE OF 341.23 FEET; THENCE SOUTH 56°13'32" WEST, A DISTANCE OF 472.79 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 402.00 FEET AND A CENTRAL ANGLE OF 45°48'21"; THENCE SOUTHERLY ALONG THE ARC A DISTANCE OF 321.38 FEET; THENCE SOUTH 10°25'11" WEST, A DISTANCE OF 816.28 FEET BEING A POINT ON A CURVE OF A NON-TANGENT CURVE TO THE LEFT, OF WHICH THE RADIUS POINT LIES SOUTH 24°17'24" WEST, A RADIAL DISTANCE OF 2,206.00 FEET; THENCE WESTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 24°09'41", A DISTANCE OF 930.26 FEET; THENCE NORTH 89°52'17" WEST, A DISTANCE OF 488.02 FEET; THENCE NORTH 00°07'43" EAST, A DISTANCE OF 210.35 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 1,321.00 FEET AND A CENTRAL ANGLE OF 06°44'40"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 155.50 FEET; THENCE NORTH 06°52'23" EAST, A DISTANCE OF 181.61 FEET TO A POINT OF CURVATURE OF A CURVE TO THE LEFT HAVING A RADIUS OF 1,155.00 FEET AND A CENTRAL ANGLE OF 13°45'38"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 277.73 FEET; THENCE NORTH 06°54'15" WEST, A DISTANCE OF 162.63 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 1,797.00 FEET AND A CENTRAL ANGLE OF 07°01'58"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 220.57 FEET; THENCE NORTH 00°07'43" EAST, A DISTANCE OF 362.34 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 2,345.00 FEET AND A CENTRAL ANGLE OF 03°34'17"; THENCE NORTHERLY ALONG THE ARC A DISTANCE OF 146.17 FEET; THENCE NORTH 02°12'05" EAST, A DISTANCE OF 140.00 FEET BEING A POINT ON A CURVE OF A NON-TANGENT CURVE TO THE LEFT, OF WHICH THE RADIUS POINT LIES NORTH 02°12'05" EAST, A RADIAL DISTANCE OF 2,930.00 FEET; THENCE EASTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 05°36'26", A DISTANCE OF 286.74 FEET; THENCE NORTH 86°35'39" EAST, A DISTANCE OF 27.02 FEET; THENCE NORTH 00°17'54" WEST, A DISTANCE OF 1,467.03 FEET; THENCE SOUTH 89°52'17" EAST, A DISTANCE OF 898.23 FEET TO A POINT OF CURVATURE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 2,056.00 FEET AND A CENTRAL ANGLE OF 27°10'32"; THENCE SOUTHEASTERLY ALONG THE ARC A DISTANCE OF 975.17 FEET TO A POINT OF REVERSE CURVATURE TO THE LEFT HAVING A RADIUS OF 2,206.00 FEET AND A CENTRAL ANGLE OF 27°20'32"; THENCE EASTERLY ALONG THE ARC, A DISTANCE OF 1,052.73 FEET; THENCE SOUTH 45°15'27" EAST, A DISTANCE OF 63.50 FEET; THENCE SOUTH 00°28'37" EAST, A DISTANCE OF 1,126.98 FEET TO THE POINT OF BEGINNING. CONTAINING 202.803 ACRES, MORE OR LESS. SAID LANDS SITUATE IN SECTIONS 29 AND 32, TOWNSHIP 37 SOUTH, RANGE 39 EAST, CITY OF PORT ST. LUCIE, ST. LUCIE COUNTY, FLORIDA.

CONTAINING 202.803 ACRES, MORE OR LESS.

REVISIONS	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-1452

WILSON GROVES
PARCEL A PLAT 2
COVER SHEET
PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./ PG. ----
SCALE AS SHOWN

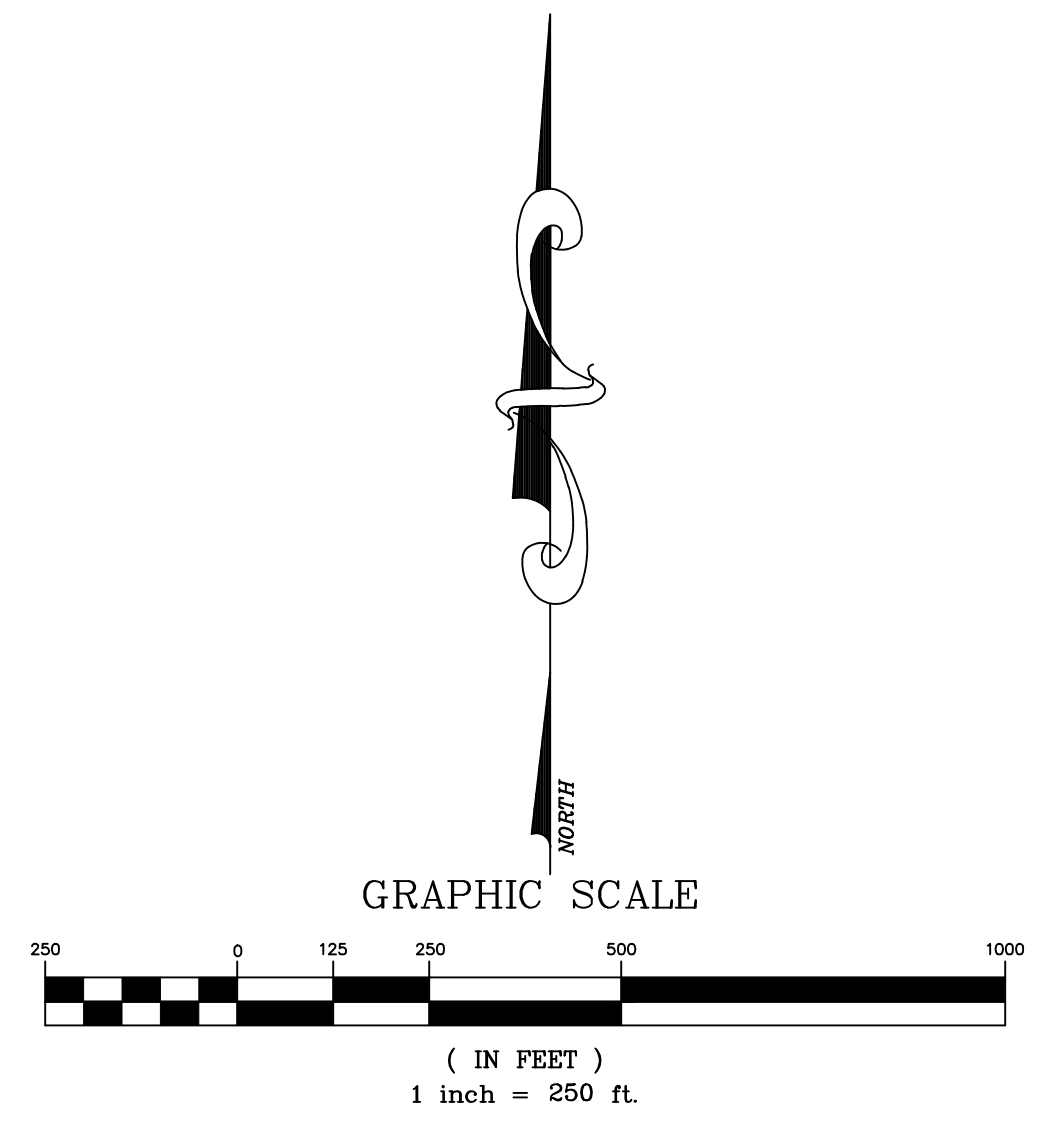
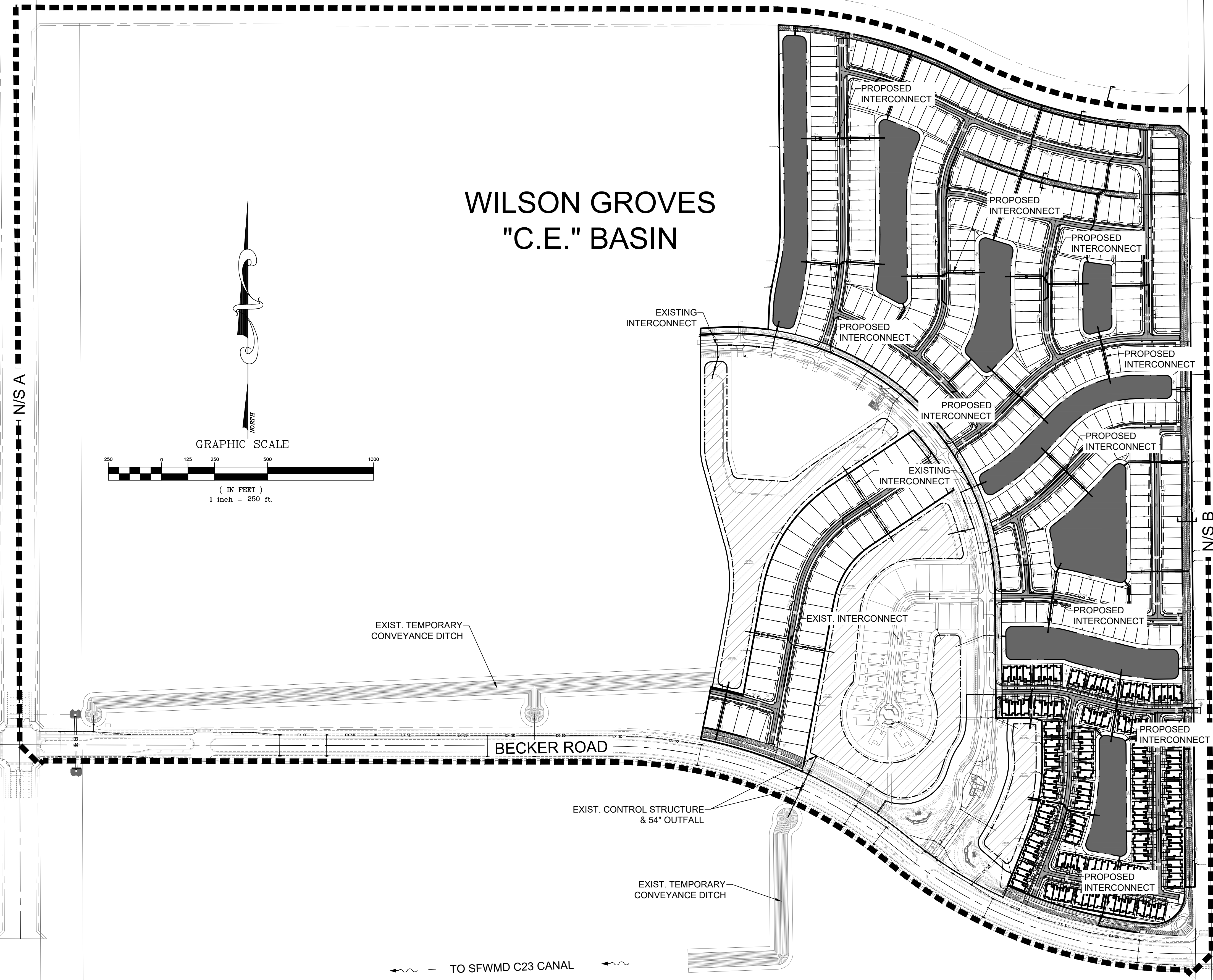
RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM
DATE Apr 16, 2025

JOB #4371-A02
SHT. NO.
PD-01
OF 22 SHEETS

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

Drawing: P:\4371-11-21-20\psl\psl\proj\Drawings\11-681-A4\02.dwg

WILSON GROVES "C.E." BASIN



LEGEND

- PROPOSED LAKE
- EXISTING LAKE

ORIGIN BENCHMARK FOUND
S.F.W.M.D. B.M. C 23 609
STANDARD DISK SET IN
TOP OF GUARDRAIL AT
N.W. CORNER OF BRIDGE
ELEV. = 33.96'
N1044559.8737
E824695.4886

9347.8'
N68°34'56.86"E

BENCHMARK DETAIL

SCALE: 1" = 2000'

TO SFWMD C23 CANAL

REVISIONS	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-4452

WILSON GROVES PARCEL A PLAT 2 OVERALL STORMWATER MANAGEMENT PLAN

PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./ PG. ---
SCALE 1"=250'

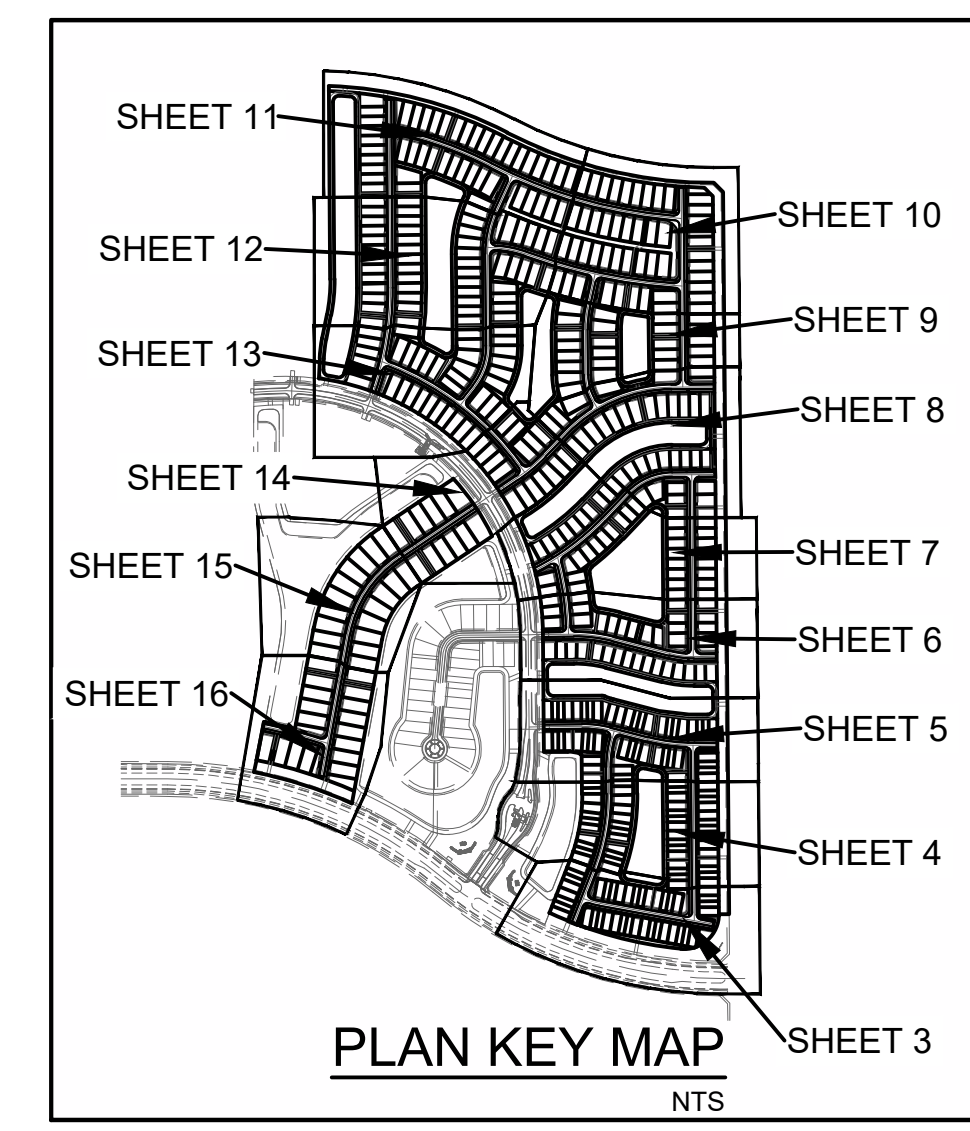
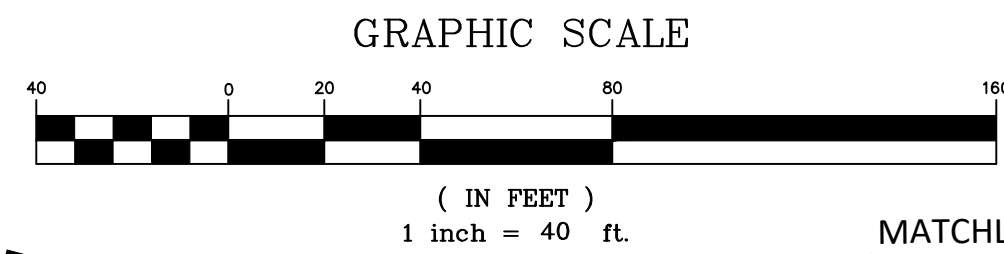
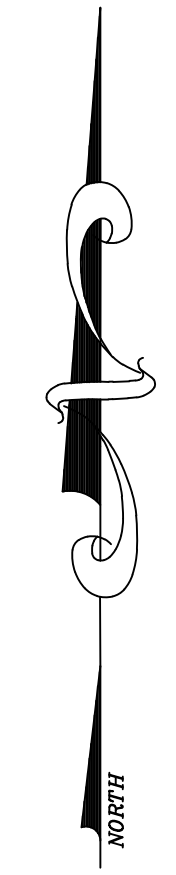
RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM
DATE Apr 16, 2025

JOB #4371-A02
SHT. NO.
PD-02
OF 22 SHEETS

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

Drawing: P:\4371-11-24-20\Stormwater\Plan\WilsonGroves_A-02.dwg

GENERAL NOTES:
 1.) CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.
 2.) ALL DRAINAGE SYSTEMS SHALL BE PUMPED COMPLETELY DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTIONS.
 3.) ALL SIDEWALKS SHALL BE CONSTRUCTED AT 1.5% MAXIMUM CROSS SLOPE.
 4.) SIDEWALKS ABUTTING LOTS/UNITS/CLUBHOUSE TO BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION, WHILE COMMON AREA SIDEWALK WILL BE INSTALLED FROM START OF JOB.
 5.) STRUCTURAL FILL WILL BE REQUIRED TO BE USED UNDER ALL BUILDING PADS, RIGHTS-OF-WAY, AND OTHER STRUCTURAL ELEMENTS.
 6.) THE MUCK AND GUMBO SHALL BE REMOVED IN THE AREA OF AND WITHIN 10 FEET OF PROPOSED PAVEMENT OR FOUNDATION AREAS.
 7.) PAVEMENT MARKINGS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND CITY OF PORT ST. LUCIE.
 8.) DETECTABLE WARNING SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION S27 (CURRENT EDITIONS).
 9.) THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
 10.) AS AN ALTERNATE TO ADVANCED DRAINAGE SYSTEMS, INC. HPPP DRAINAGE, RCP STORM PIPE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL FROM THE CITY OF PORT ST. LUCIE, CAULFIELD & WHEELER, INC., & DEVELOPER.



NO.	DATE	BY

CAULFIELD & WHEELER, INC.
 CIVIL ENGINEERING - LAND PLANNING
 LANDSCAPE ARCHITECTURE - SURVEYING
 7900 GLADES ROAD - SUITE 100
 BOCA RATON, FLORIDA 33434
 PHONE (561) 392-1991 / FAX (561) 750-1452
 FILE NAME: 43710-A-02.dwg

**WILSON GROVES
 PARCEL A PLAT 2
 PAVING, GRADING, & DRAINAGE PLAN**
 PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
 DRAWN BY RHT
 F.B./ P.C. ----
 SCALE 1"=40'

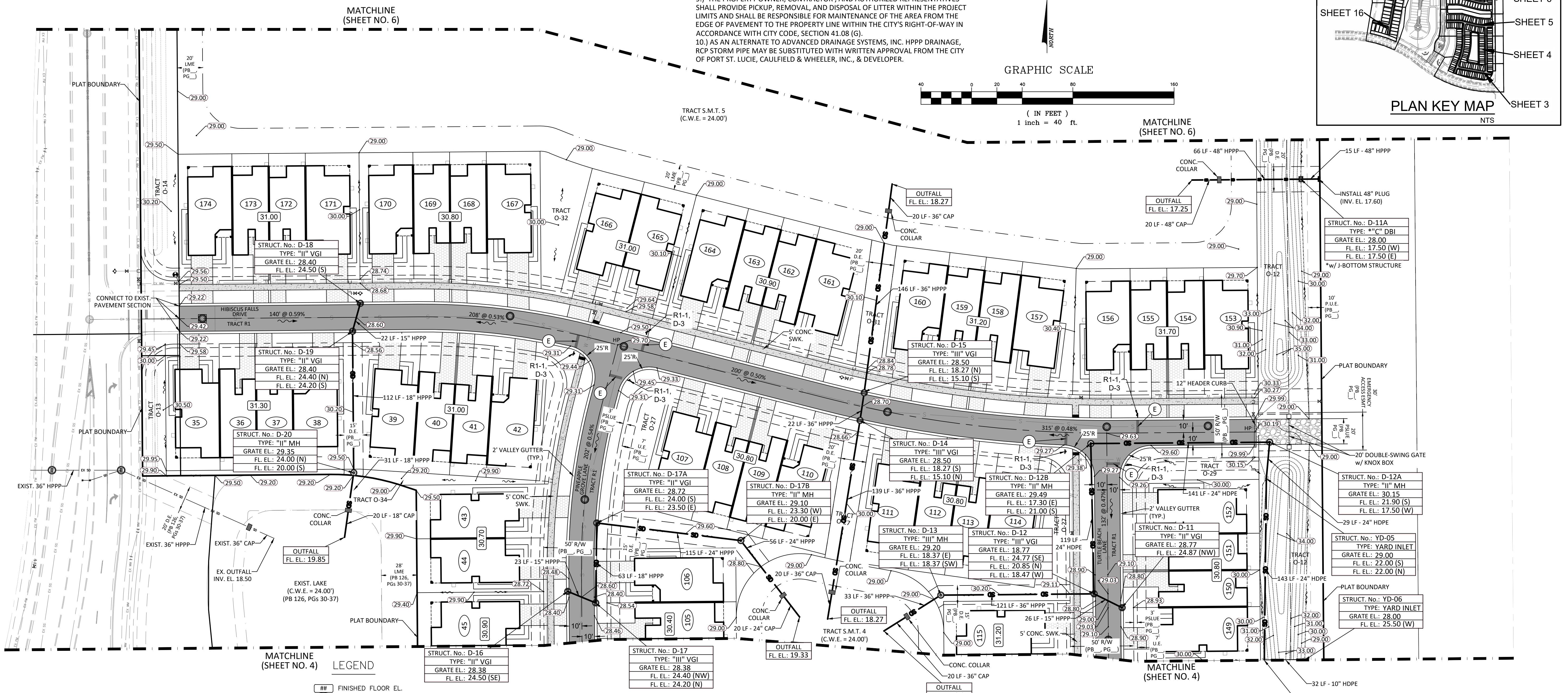
RYAN D. WHEELER
 PROFESSIONAL ENGINEER
 LICENSE NO. 71477
 STATE OF FLORIDA
 FOR THE FIRM
 DATE Apr. 16, 2025

JOB #4371-A02
 SHEET NO.
PD-05
 OF 22 SHEETS



CONTRACTOR NOTE:
 CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
 CITY OF PSL PROJECT NO. P24-195

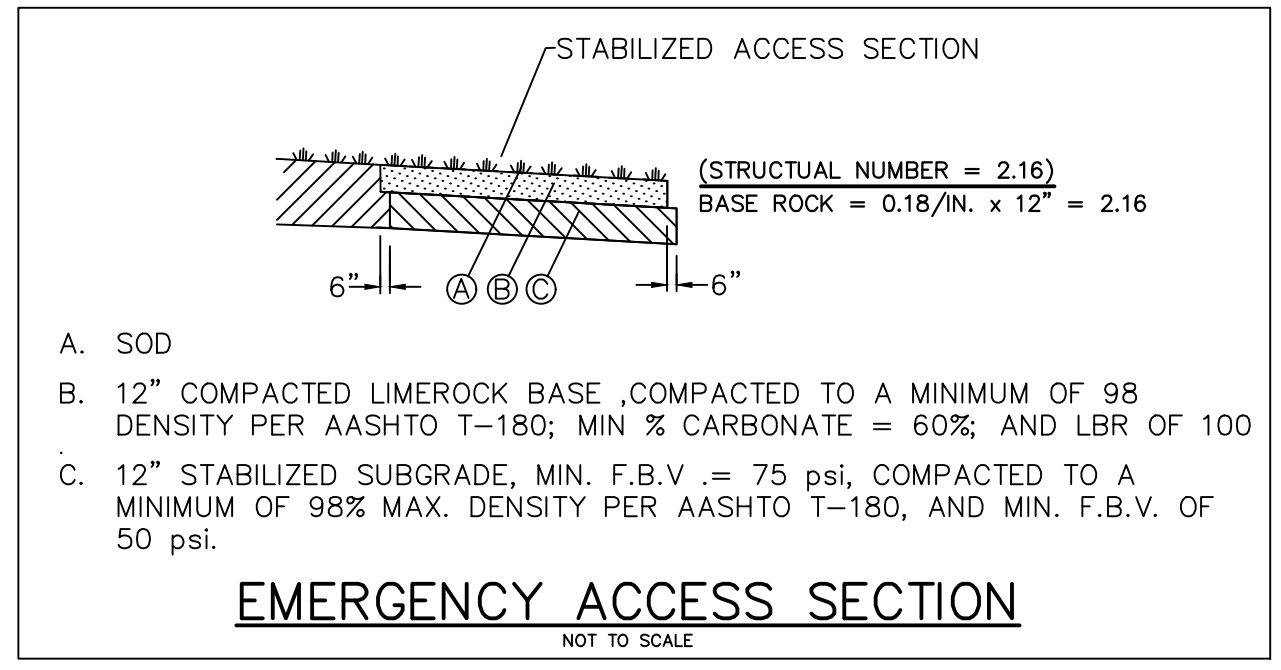


- PAVEMENT MARKING LEGEND**
- A - 6" SOLID WHITE
 - B - 8" SOLID WHITE
 - C - 12" SOLID WHITE
 - D - 18" SOLID WHITE
 - E - 24" SOLID WHITE
 - F - 6" WHITE - SKIP (10'-30')
 - G - 6" WHITE - SKIP (6'-10')
 - H - 6" WHITE - SKIP (2'-4')
 - I - 6" SOLID YELLOW
 - J - 18" SOLID YELLOW
 - K - 6" DOUBLE SOLID YELLOW
 - L - 6" YELLOW - SKIP (10'-30')
 - M - 6" YELLOW - SKIP (6'-10')
 - N - 6" YELLOW - SKIP (2'-4')
 - P - RPM BI-DIRECTIONAL AMBER/AMBER
 - R - FDP WHITE
 - S - FDP YELLOW
 - T - RPM BI-DIRECTIONAL WHITE/RED
 - U - RPM BI-DIRECTIONAL RED/YELLOW

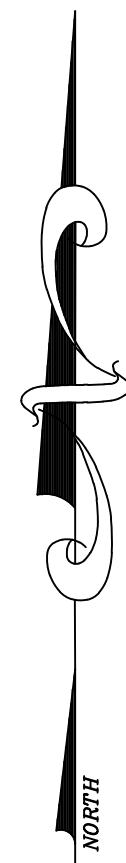
- LEGEND**
- ### FINISHED FLOOR EL.
 - ## LOT NUMBER
 - PROPOSED GRADE
 - EXISTING GRADE
 - FLOW ARROW
 - ### @ 0.##% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
 - PROPOSED PAVEMENT
 - PROPOSED CONCRETE
 - PROPOSED PAVERS
 - DETECTABLE WARNING MAT
 - LITTORAL ZONE
 - STABILIZED EMERGENCY ACCESS ROAD
 - MATCH EXISTING ELEVATION
 - GRADING CROSS-SECTION

ALL ELEVATIONS SHOWN IN NAVD88 UNLESS OTHERWISE NOTED
 CONVERSION: NAVD88 = NGVD + 1.43'

MIN. ROADWAY CROWN EL. = 27.00-FT (10yr-24hr PEAK STAGE = 26.87-FT)
 MIN. PERIMETER BERM EL. = 27.80-FT (25yr-72hr PEAK STAGE = 27.74-FT)
 MIN. FINISHED FLOOR EL. = 29.00-FT (100yr-72hr ZD PEAK STAGE = 27.84-FT)



EMERGENCY ACCESS SECTION
 NOT TO SCALE



GRAPHIC SCALE



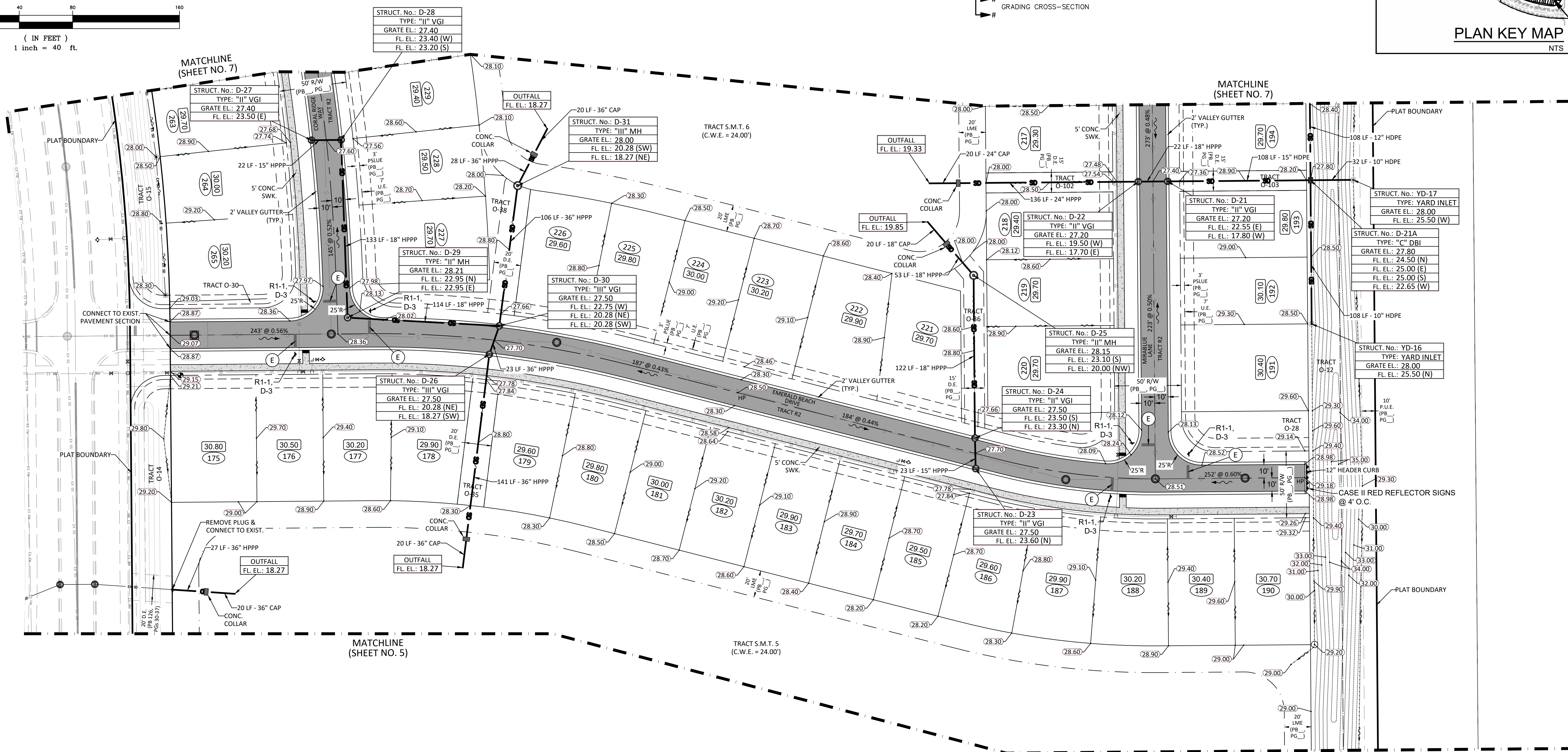
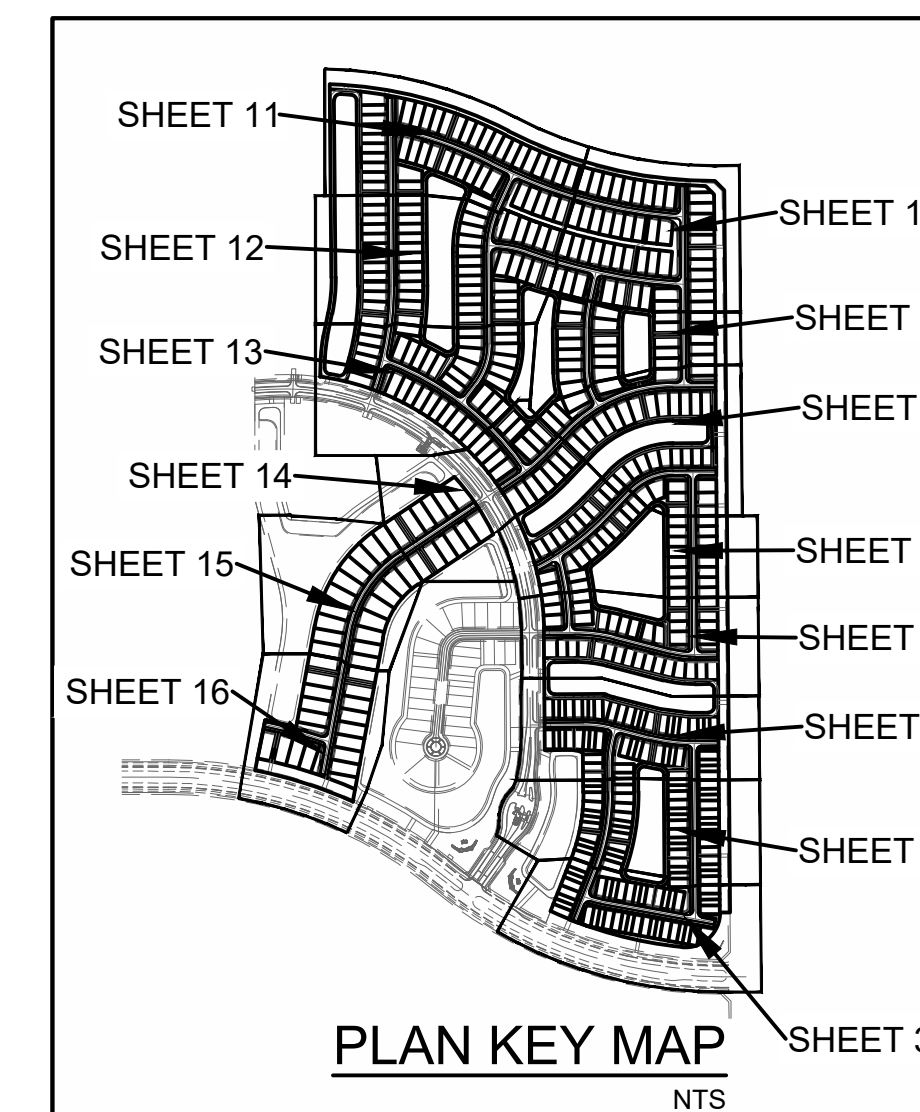
- GENERAL NOTES:
- 1.) CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.
 - 2.) ALL DRAINAGE SYSTEMS SHALL BE PUMPED COMPLETELY DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTIONS.
 - 3.) ALL SIDEWALK SHALL BE CONSTRUCTED AT 1.5% MAXIMUM CROSS SLOPE.
 - 4.) SIDEWALKS ABUTTING LOTS/UNITS/CLUBHOUSE TO BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION, WHILE COMMON AREA SIDEWALK WILL BE INSTALLED FROM START OF JOB.
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 - 7.) PAVEMENT MARKINGS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND CITY OF PORT ST. LUCIE.
 - 8.) DETECTABLE WARNING SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 527 (CURRENT EDITIONS).
 - 9.) THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
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PAVEMENT MARKING LEGEND

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- S - FDP YELLOW
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- U - RPM BI-DIRECTIONAL RED/YELLOW

LEGEND

- ### FINISHED FLOOR EL.
- ## LOT NUMBER
- PROPOSED GRADE
- EXISTING GRADE
- FLOW ARROW
- ### @ 0.##% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- DETECTABLE WARNING MAT
- LITTORAL ZONE
- STABILIZED EMERGENCY ACCESS ROAD
- M.E.E. MATCH EXISTING ELEVATION
- # GRADING CROSS-SECTION



ALL ELEVATIONS SHOWN IN NAVD88 UNLESS OTHERWISE NOTED
CONVERSION: NAVD88 = NGVD - 1.43'

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MIN. FINISHED FLOOR EL. = 29.00-FT (100yr-72hr ZID PEAK STAGE = 27.84-FT)

Call 48 hours before you dig

It's the Law!
1-800-432-4770

Sunshine State One Call of Florida, Inc.

CONTRACTOR NOTE:
CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-4452

WILSON GROVES
PARCEL A PLAT 1
PAVING, GRADING, & DRAINAGE PLAN

PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./ PG. ---
SCALE 1"=40'

RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM
DATE Apr 16, 2025

JOB #4371-A02
SHT. NO.
PD-06
OF 22 SHEETS

REVISIONS	DATE	BY

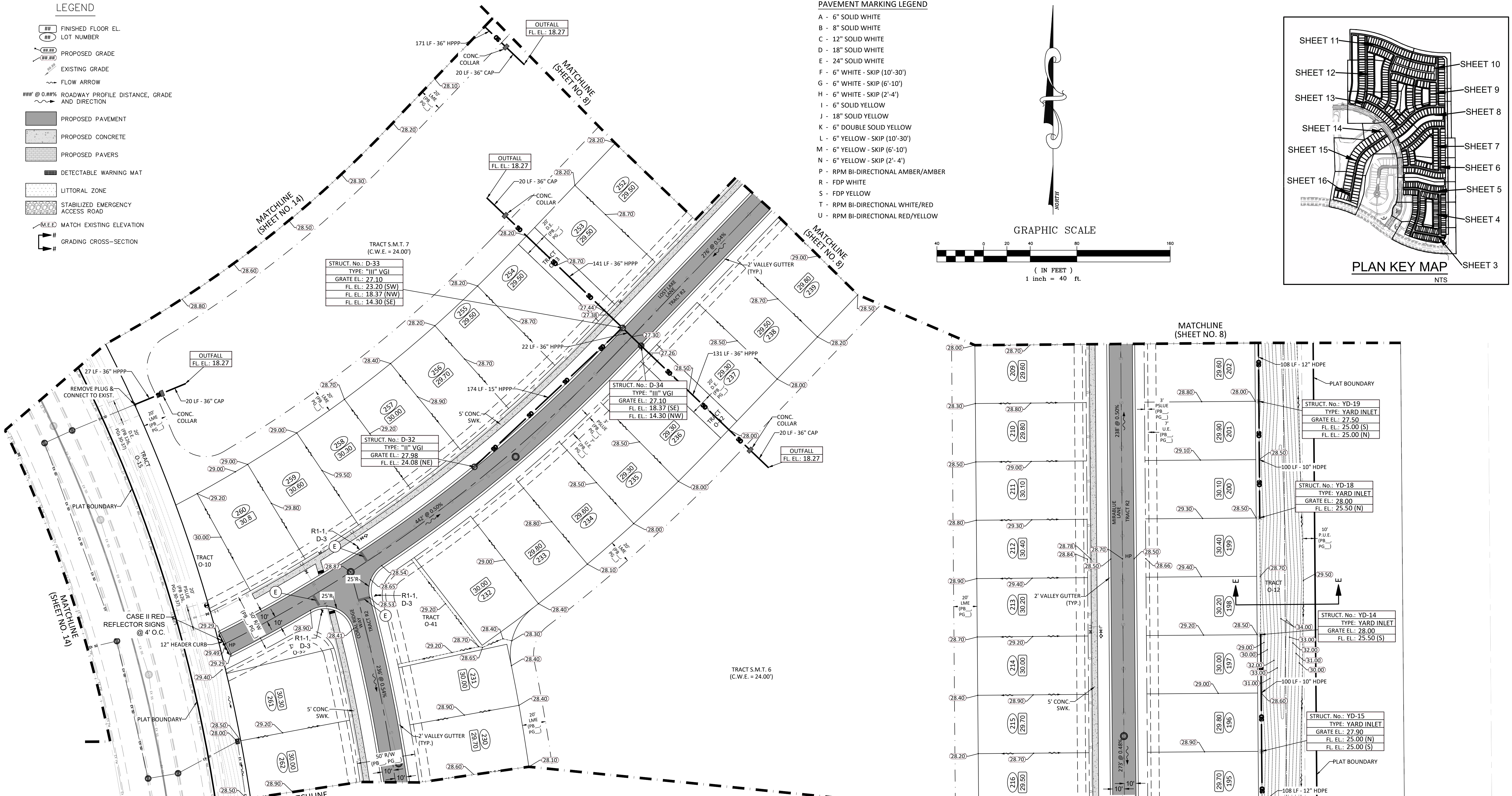
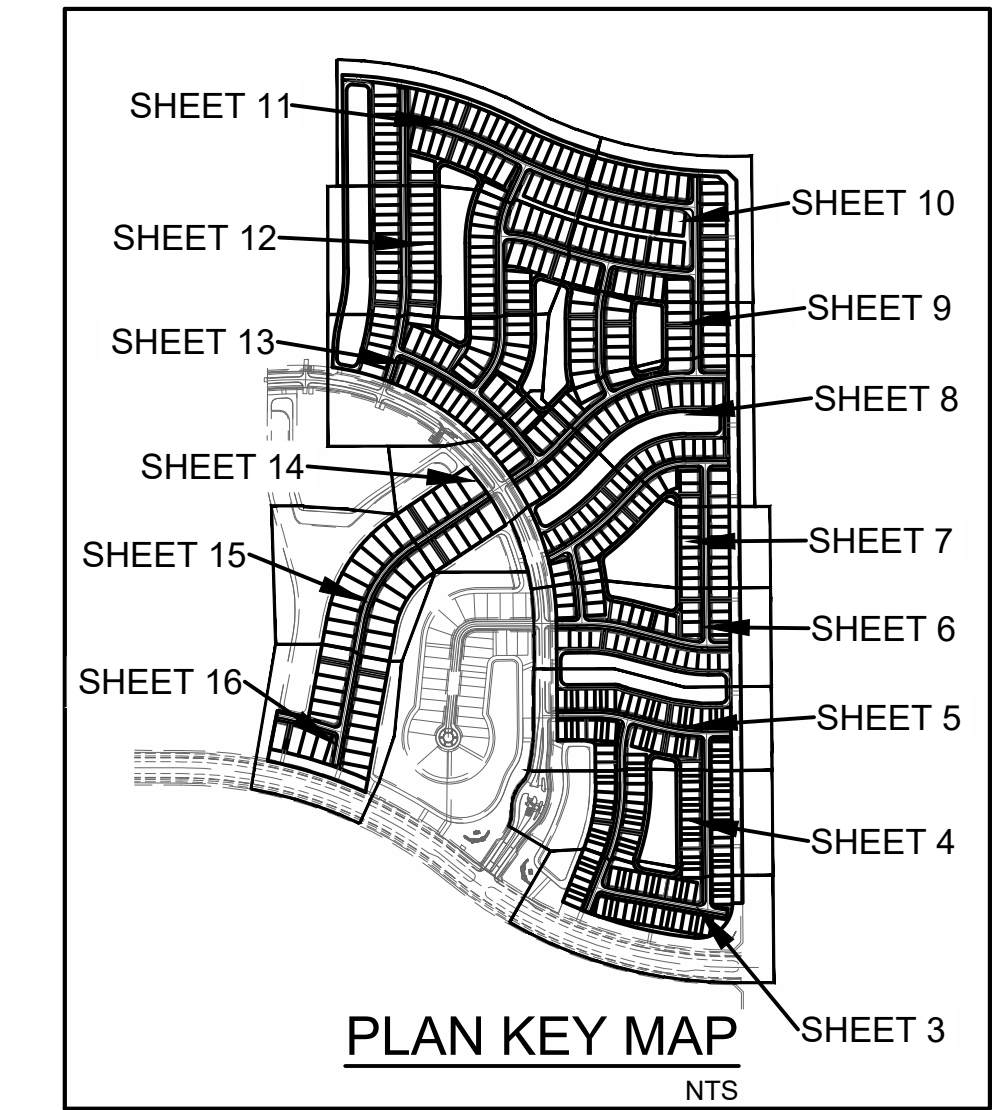
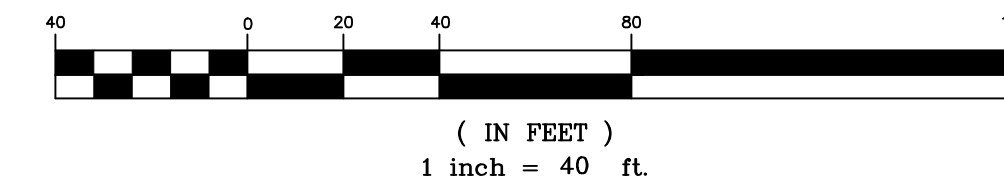
LEGEND

- FINISHED FLOOR EL.
LOT NUMBER
- PROPOSED GRADE
- EXISTING GRADE
- FLOW ARROW
- ROADWAY PROFILE DISTANCE, GRADE
AND DIRECTION
- PROPOSED PAVEMENT
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- S - FDP YELLOW
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- U - RPM BI-DIRECTIONAL RED/YELLOW

GRAPHIC SCALE



- GENERAL NOTES:**
- 1.) CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.
 - 2.) ALL DRAINAGE SYSTEMS SHALL BE PUMPED COMPLETELY DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTIONS.
 - 3.) ALL SIDEWALK SHALL BE CONSTRUCTED AT 1.5% MAXIMUM CROSS SLOPE.
 - 4.) SIDEWALKS ABUTTING LOTS/UNITS/CLUBHOUSE TO BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION, WHILE COMMON AREA SIDEWALK WILL BE INSTALLED FROM START OF JOB.
 - 5.) STRUCTURAL FILL WILL BE REQUIRED TO BE USED UNDER ALL BUILDING PADS, RIGHTS-OF-WAY, AND OTHER STRUCTURAL ELEMENTS.
 - 6.) THE MUCK AND GUMBO SHALL BE REMOVED IN THE AREA OF AND WITHIN 10 FEET OF PROPOSED PAVEMENT OR FOUNDATION AREAS.
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ALL ELEVATIONS SHOWN IN NAVD88 UNLESS OTHERWISE NOTED
CONVERSION: NAVD88 = NGVD - 1.43'

MIN. ROADWAY CROWN EL. = 27.00-FT (10yr-24hr PEAK STAGE = 26.87-FT)
MIN. PERIMETER BERM EL. = 27.80-FT (25yr-72hr PEAK STAGE = 27.74-FT)
MIN. FINISHED FLOOR EL. = 29.00-FT (100yr-72hr ZD PEAK STAGE = 27.84-FT)



CONTRACTOR NOTE:
CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

REVISIONS	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-4452

WILSON GROVES
PARCEL A PLAT 2
PAVING, GRADING, & DRAINAGE PLAN

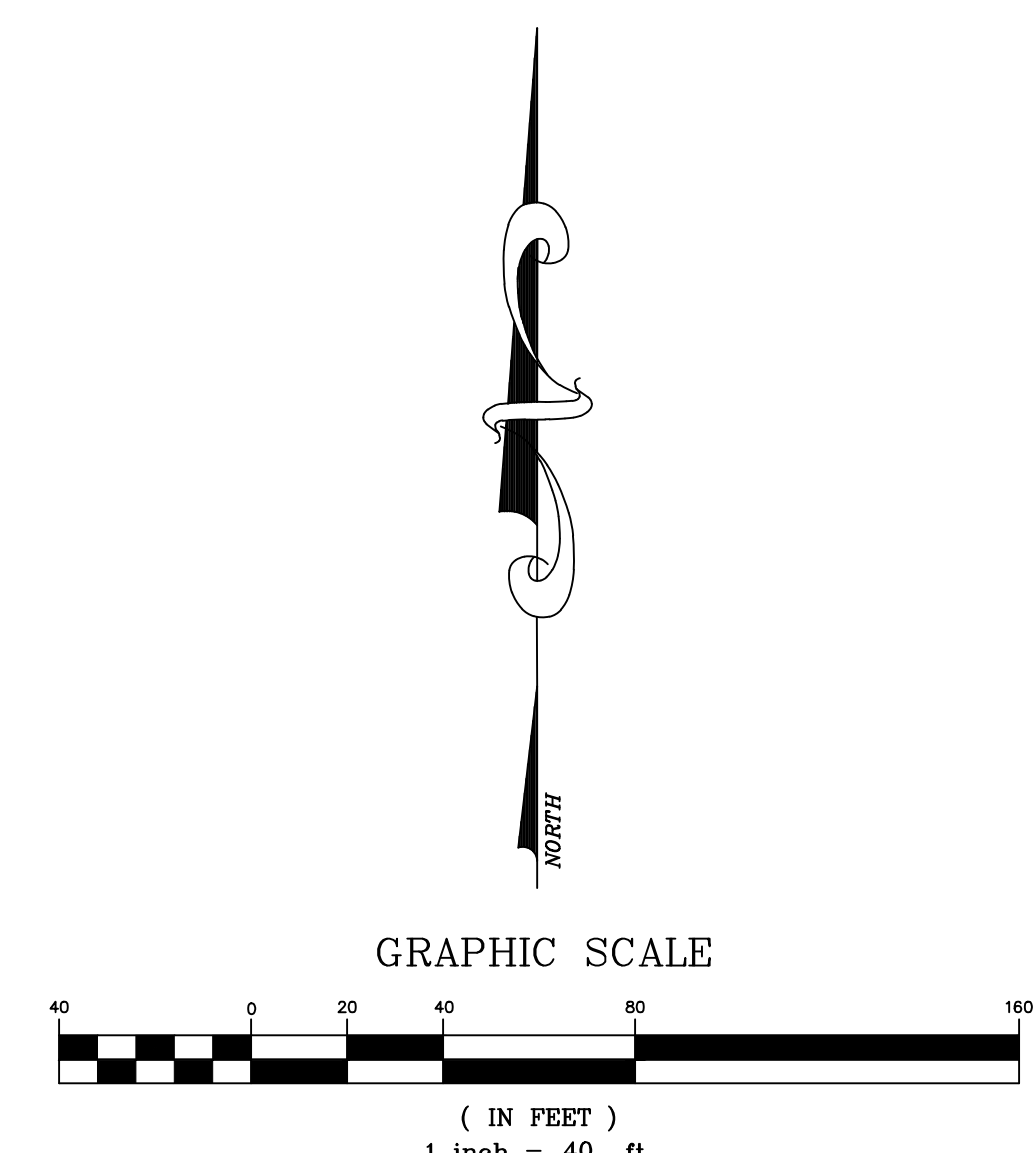
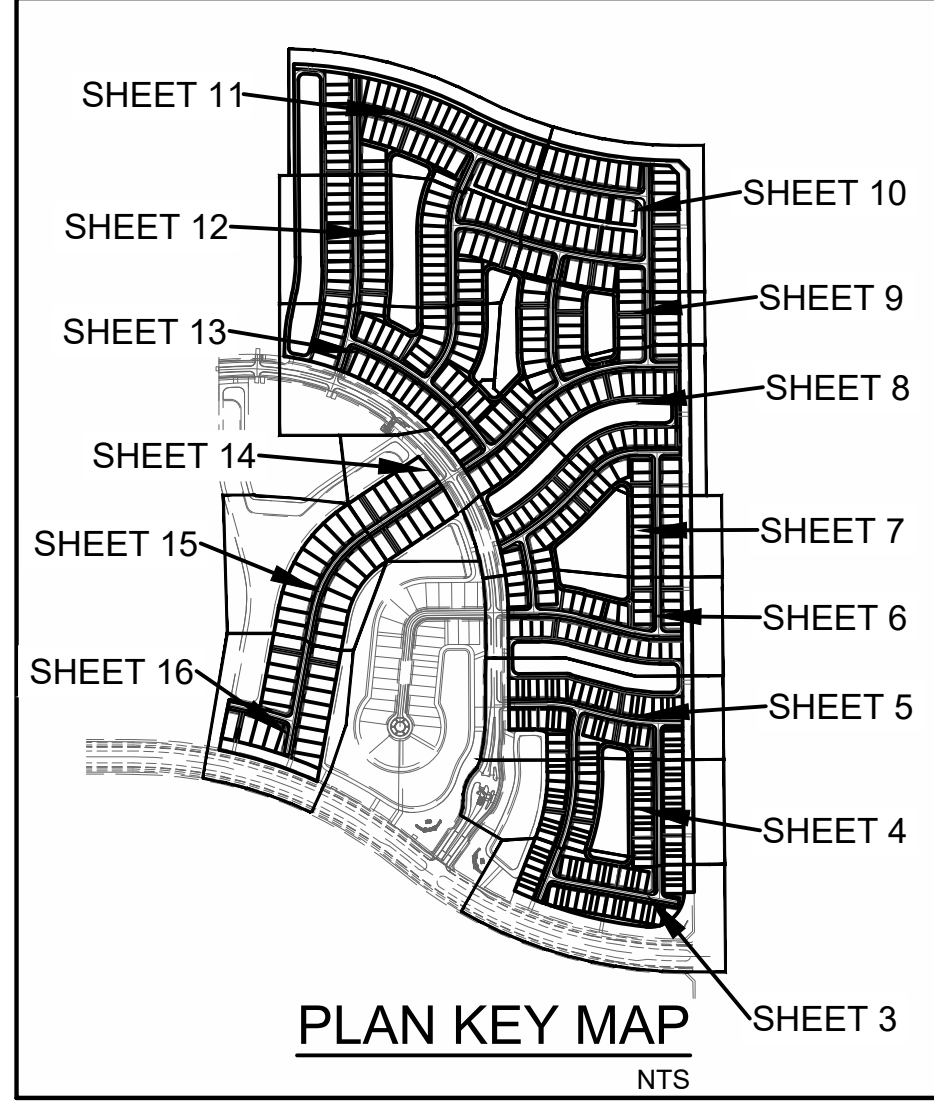
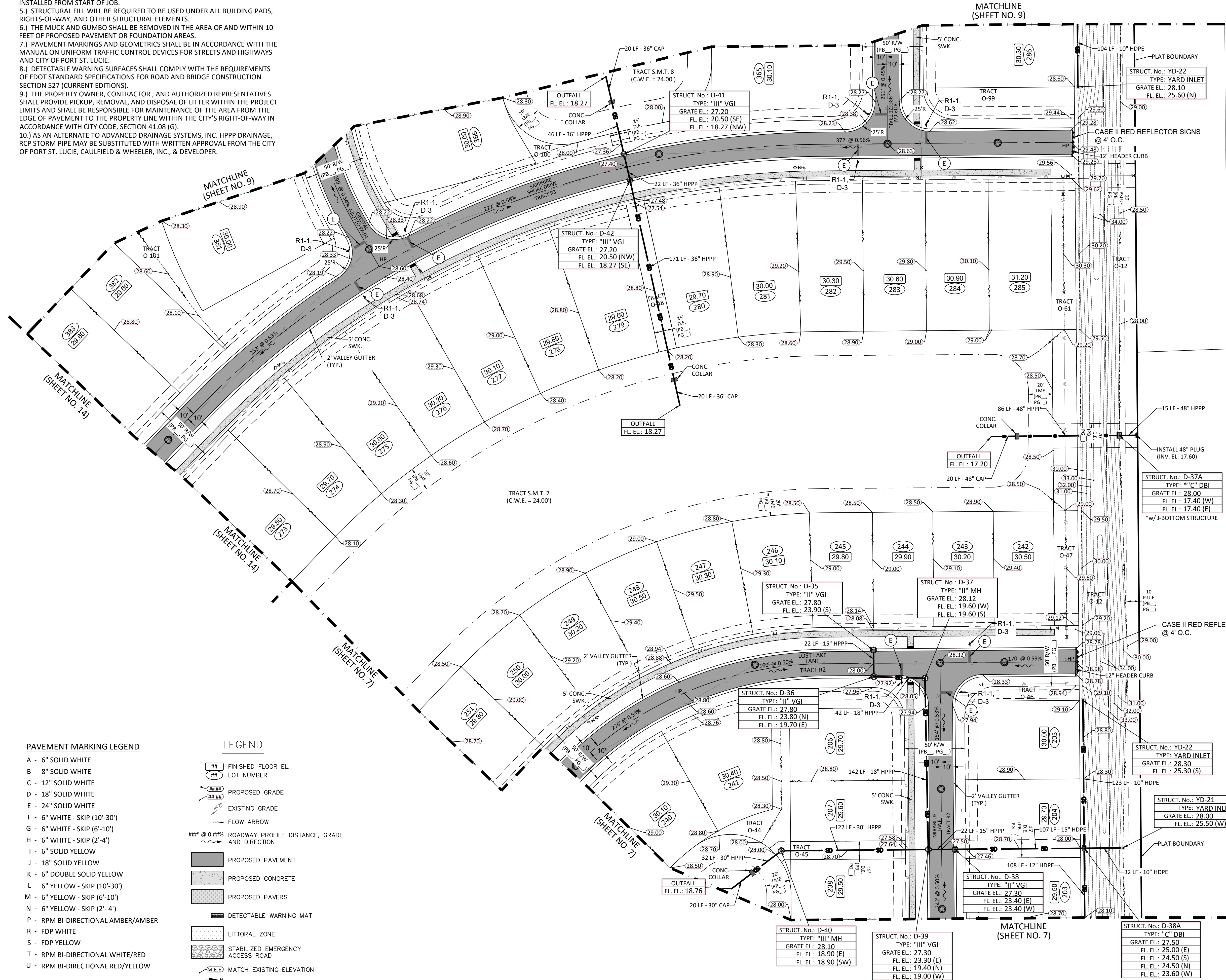
PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./ PG. ---
SCALE 1"=40'

RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM -
DATE Apr 16, 2025

JOB #4371-A02
SHT. NO.
PD-07
OF 22 SHEETS

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PAVEMENT MARKING LEGEND

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- B - 8" SOLID WHITE
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- H - 6" WHITE - SKIP (2'-4')
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- J - 18" SOLID YELLOW
- K - 6" DOUBLE SOLID YELLOW
- L - 6" YELLOW - SKIP (10'-30')
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LEGEND

- ## FINISHED FLOOR EL.
- ## LOT NUMBER
- ### PROPOSED GRADE
- ### EXISTING GRADE
- ### FLOW ARROW
- ### @ 0.##% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- DETECTABLE WARNING MAT
- LITTORAL ZONE
- STABILIZED EMERGENCY ACCESS ROAD
- M.E.E. MATCH EXISTING ELEVATION
- GRADING CROSS-SECTION

REVISIONS	DATE	BY

CAULFIELD & WHEELER, INC.
 CIVIL ENGINEERING - LAND PLANNING
 LANDSCAPE ARCHITECTURE - SURVEYING
 7900 GLADES ROAD - SUITE 100
 BOCA RATON, FLORIDA 33434
 PHONE (561) 392-1991 / FAX (561) 750-4452

**WILSON GROVES
 PARCEL A PLAT 2
 PAVING, GRADING, & DRAINAGE PLAN**

PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
 DRAWN BY RHT
 F.B./ P.C. ---
 SCALE 1"=40'

RYAN D. WHEELER
 PROFESSIONAL ENGINEER
 LICENSE NO. 71477
 STATE OF FLORIDA
 FOR THE FIRM
 DATE Apr. 16, 2025



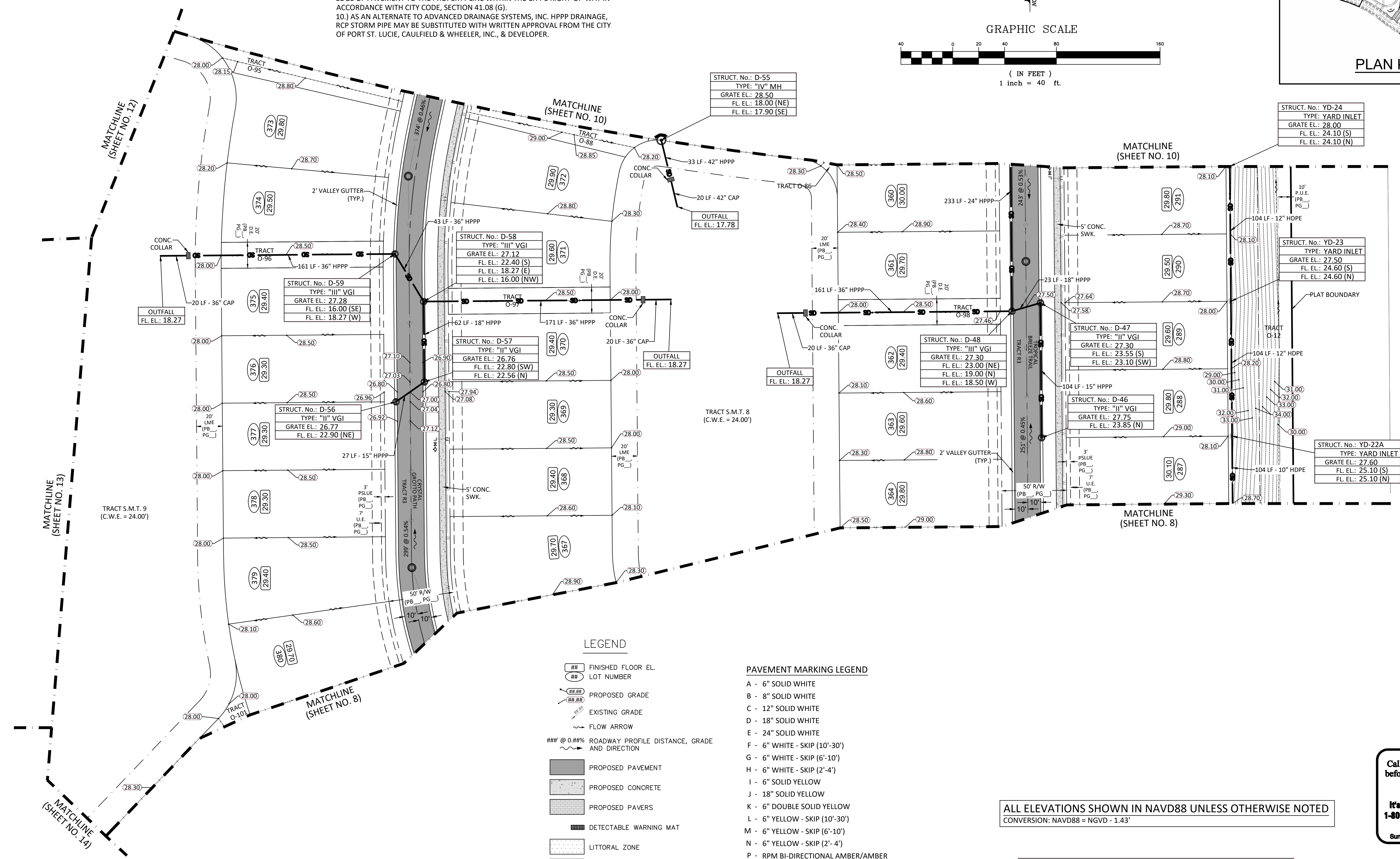
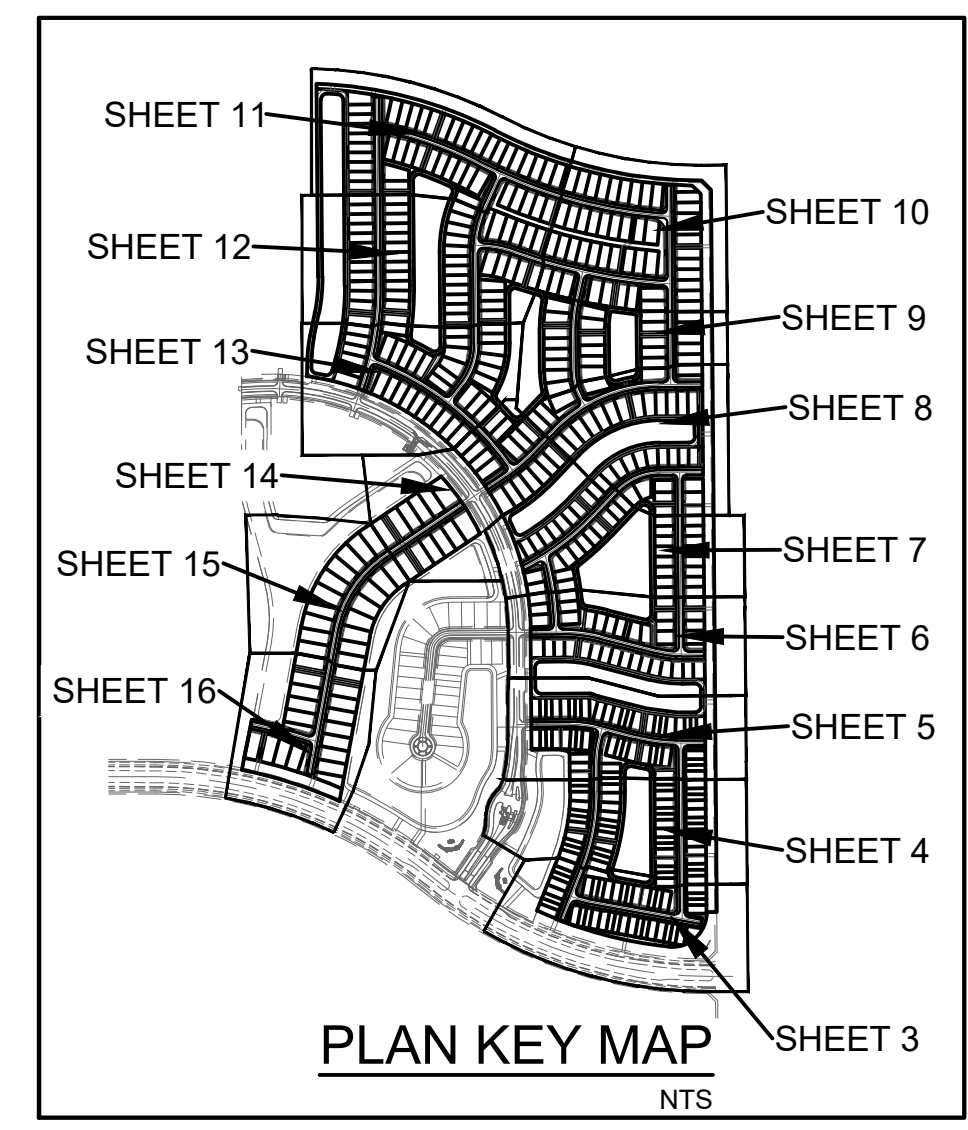
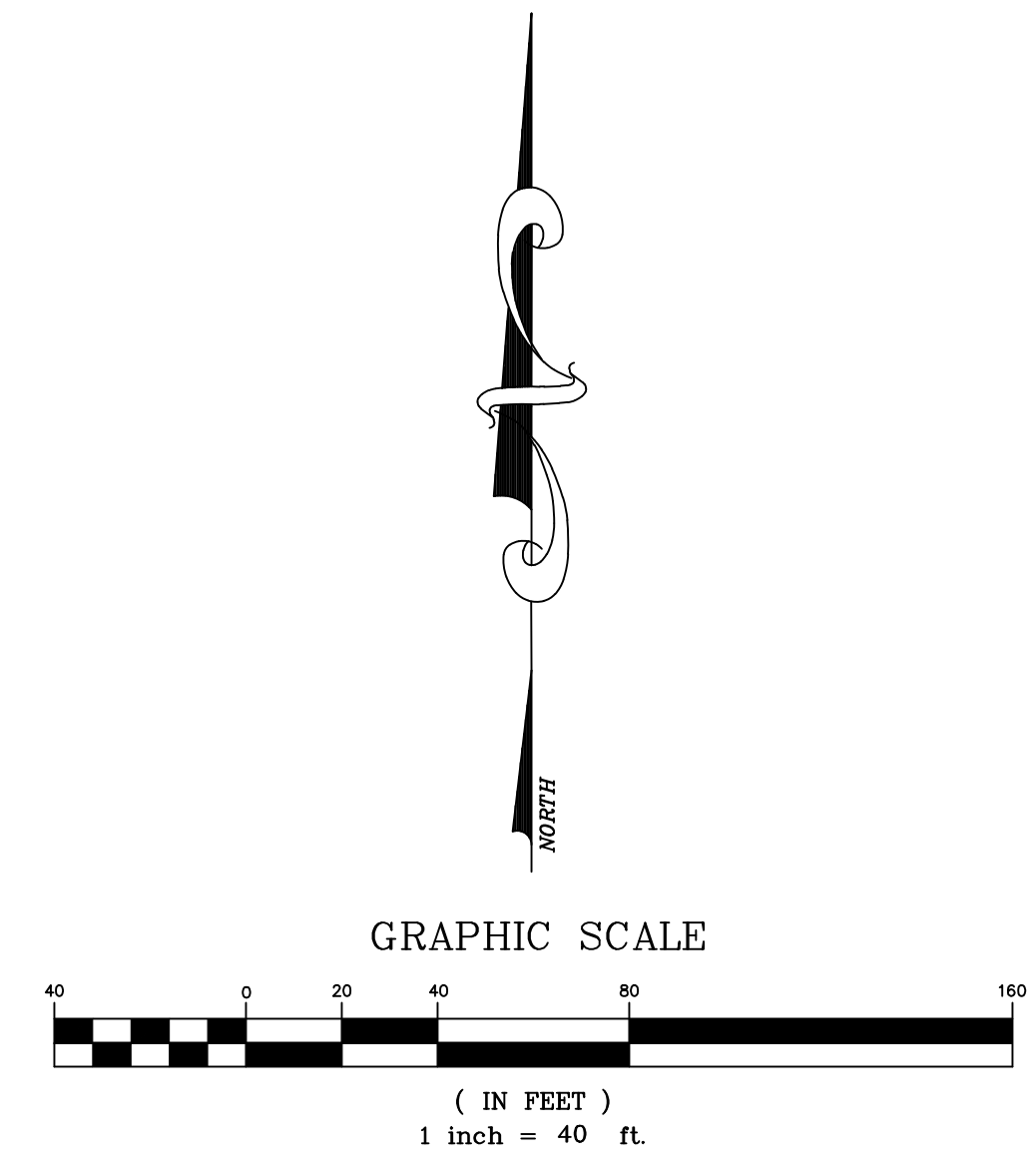
CONTRACTOR NOTE:
 CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
 CITY OF PSL PROJECT NO. P24-195

JOB #4371-A02
 SHT. NO.
PD-08
 OF 22 SHEETS

GENERAL NOTES:

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LEGEND

- ## FINISHED FLOOR EL.
- ## LOT NUMBER
- ## PROPOSED GRADE
- ## EXISTING GRADE
- ~ FLOW ARROW
- ### @ 0.1%#% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- DETECTABLE WARNING MAT
- LITTORAL ZONE
- STABILIZED EMERGENCY ACCESS ROAD
- M.E.E. MATCH EXISTING ELEVATION
- GRADING CROSS-SECTION

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PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

NO.	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-4452

WILSON GROVES
PARCEL A PLAT 2
PAVING, GRADING, & DRAINAGE PLAN

PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./ P.G. ---
SCALE 1"=40'

RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM -
DATE Apr. 16, 2025

JOB #4371-A02
SHT. NO.
PD-09
OF 22 SHEETS

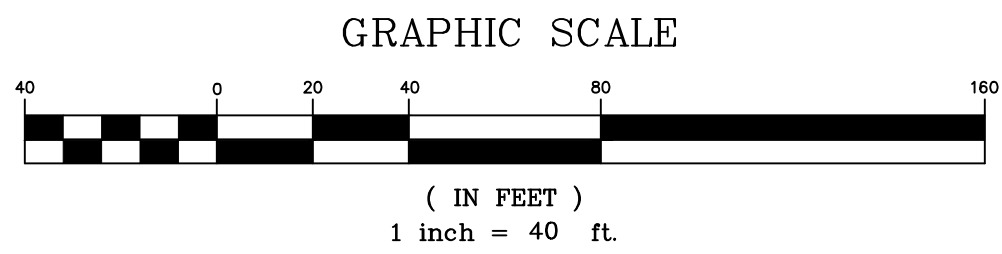
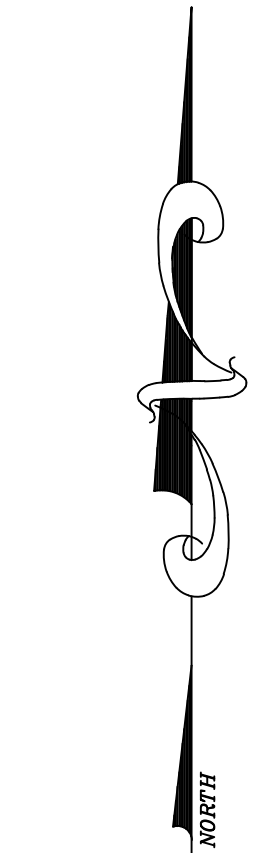
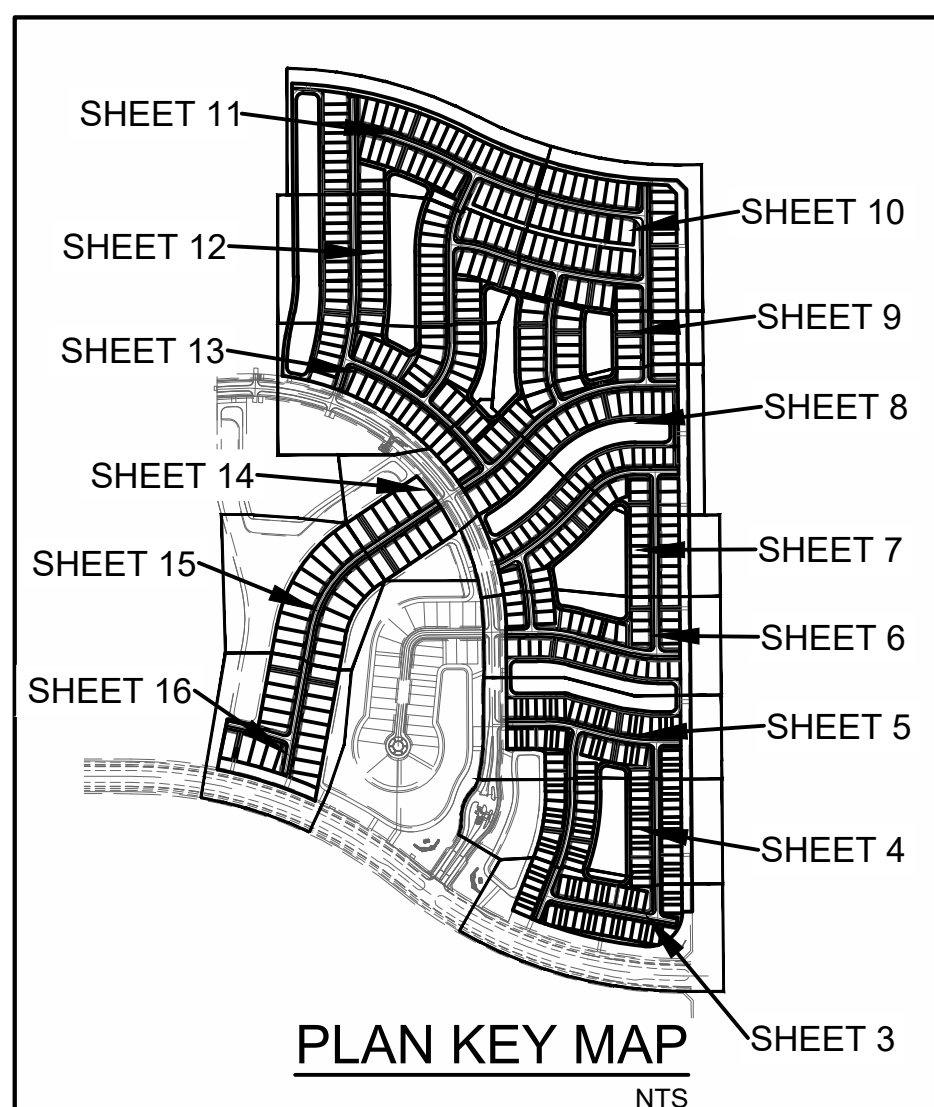
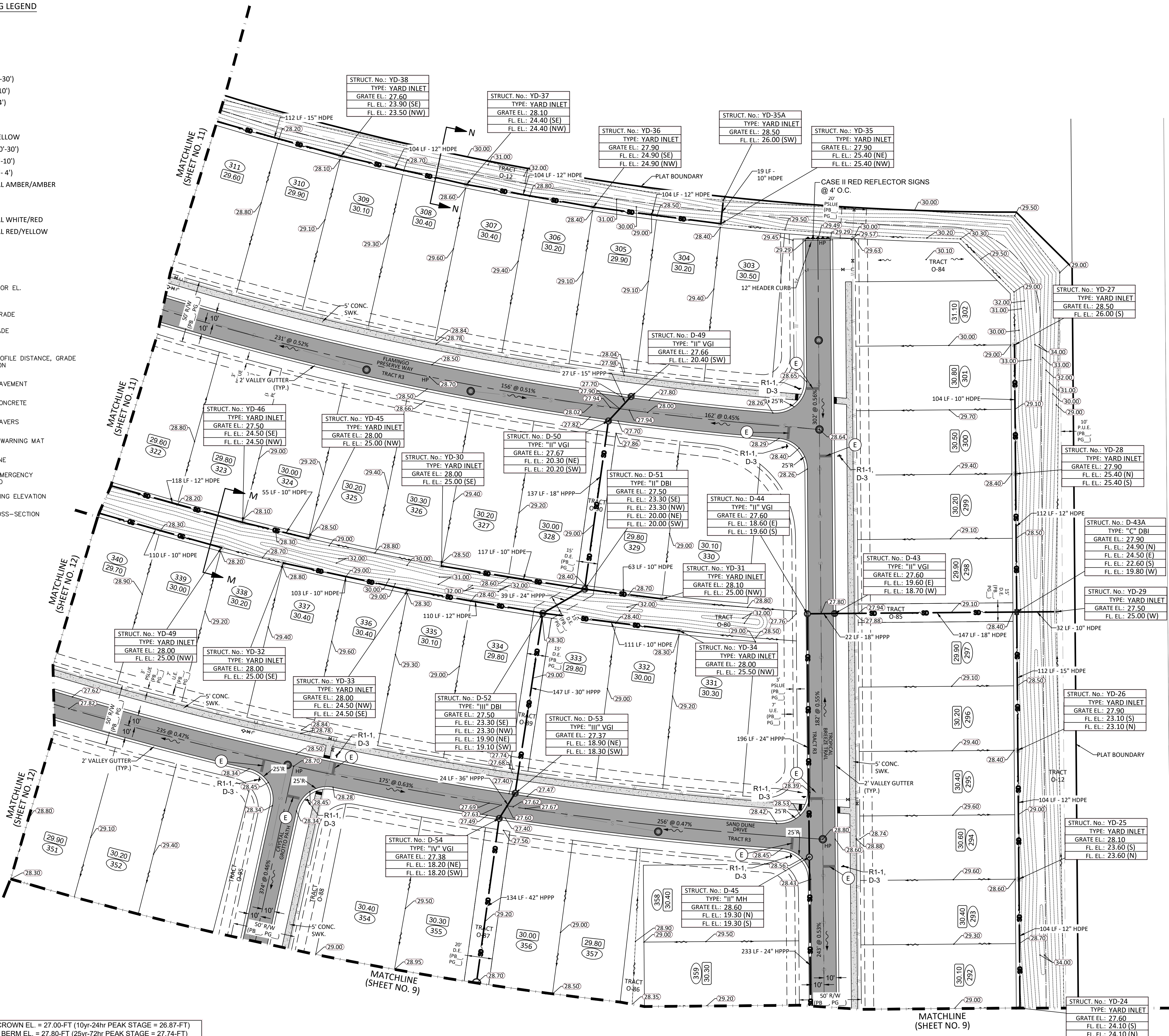
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 PLOT DATE: 11/01/2024 10:00 AM
 PLOT BY: RHT

PAVEMENT MARKING LEGEND

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LEGEND

- ## FINISHED FLOOR EL.
- ## LOT NUMBER
- PROPOSED GRADE
- EXISTING GRADE
- FLOW ARROW
- ### @ 0.###% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
- PROPOSED PAVEMENT
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- STABILIZED EMERGENCY ACCESS ROAD
- M.E.E. MATCH EXISTING ELEVATION
- # GRADING CROSS-SECTION



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CONTRACTOR NOTE:
 CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
 CITY OF PSL PROJECT NO. P24-195

REVISIONS	DATE	BY

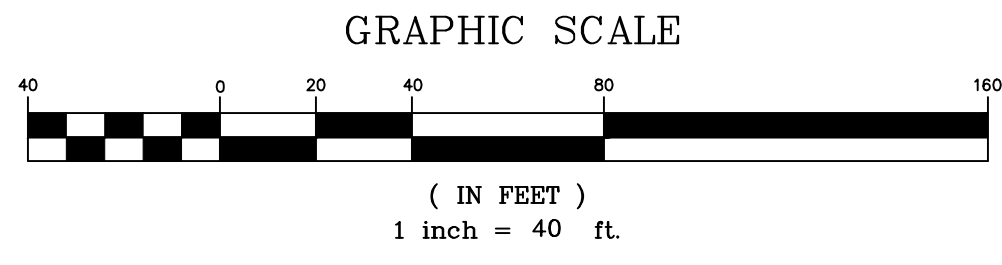
CAULFIELD & WHEELER, INC.
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 BOCA RATON, FLORIDA 33434
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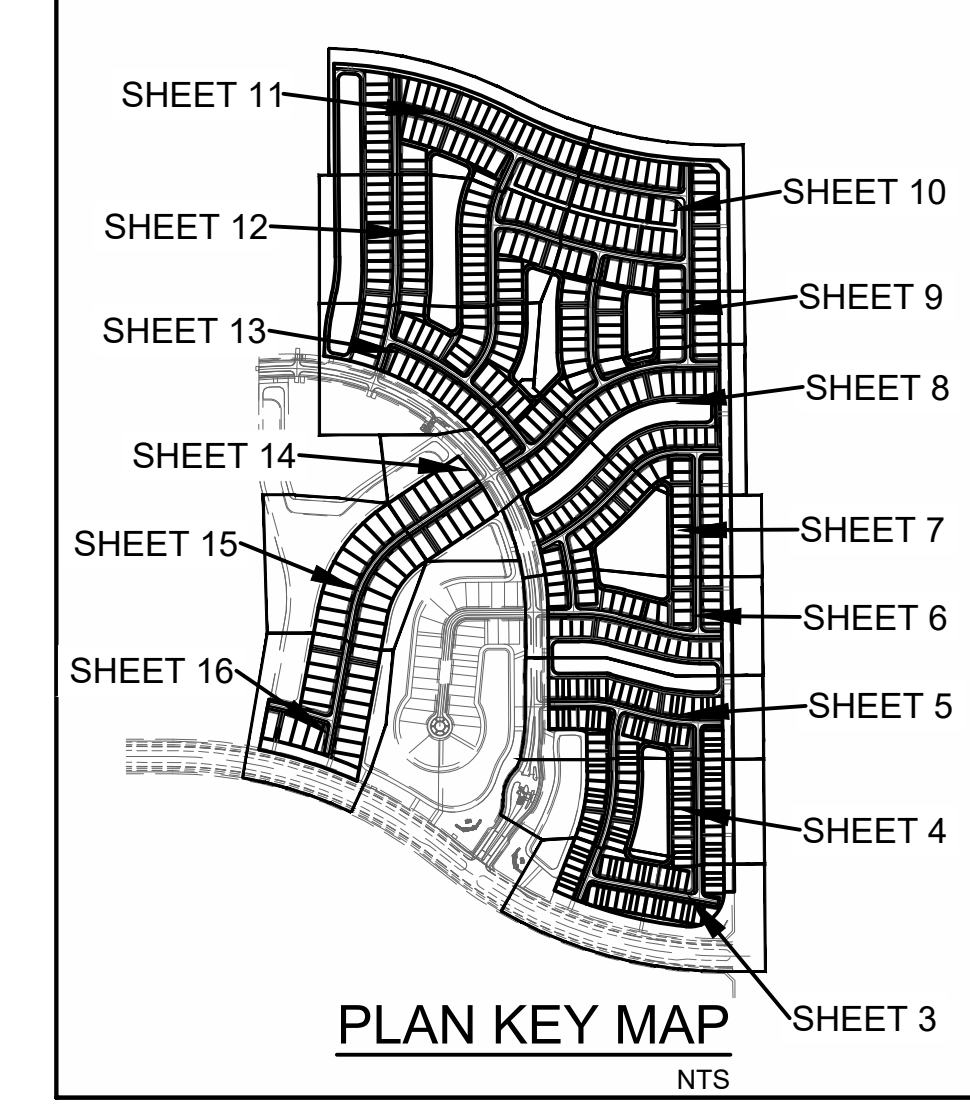
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 STATE OF FLORIDA
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JOB #4371-A02
 SH.T. NO.
PD-10
 OF 22 SHEETS

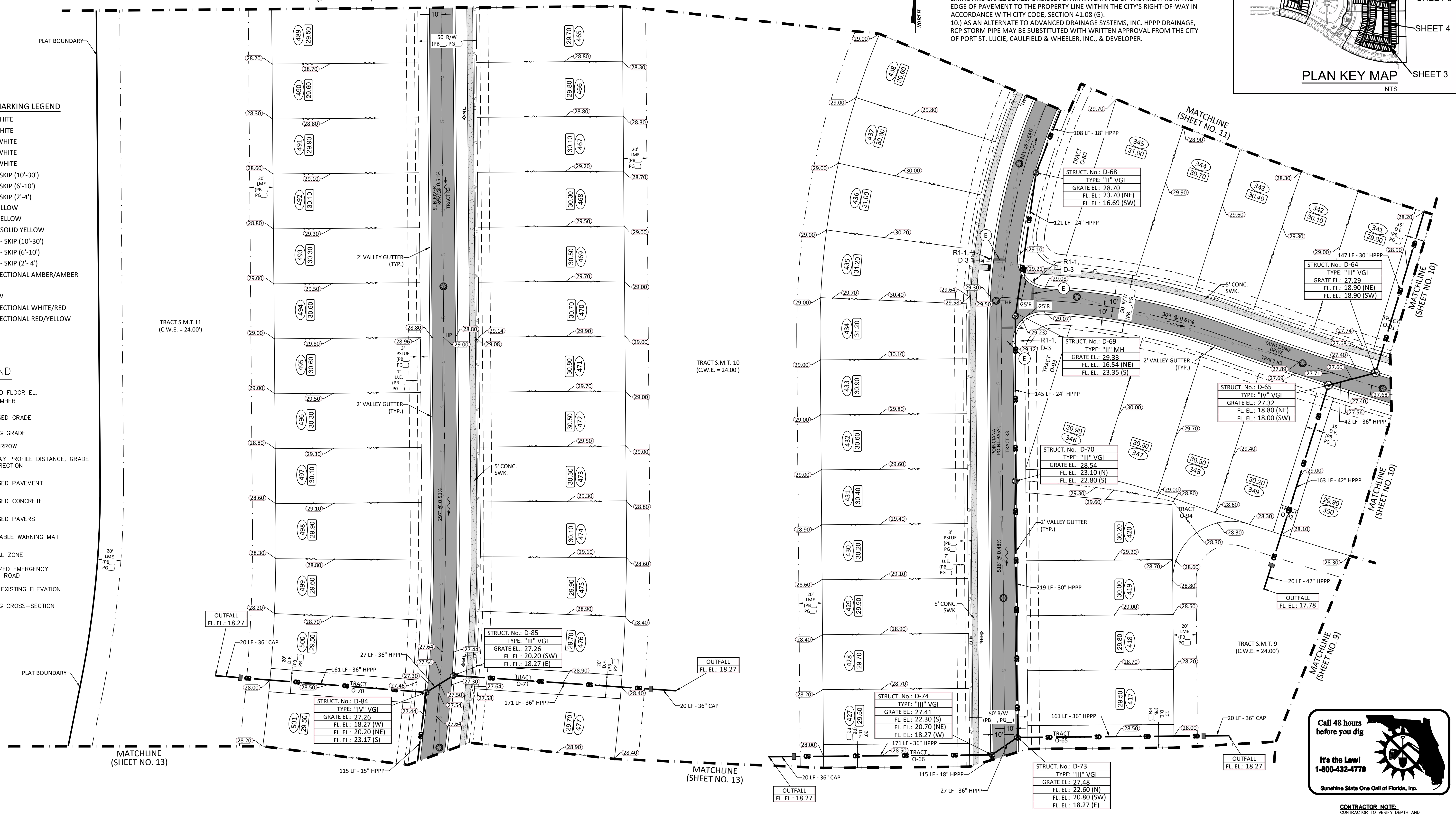


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- LEGEND
- ## FINISHED FLOOR EL. LOT NUMBER
 - ## PROPOSED GRADE
 - ## EXISTING GRADE
 - FLOW ARROW
 - ### @ 0.##% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
 - PROPOSED PAVEMENT
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REVISIONS	DATE	BY

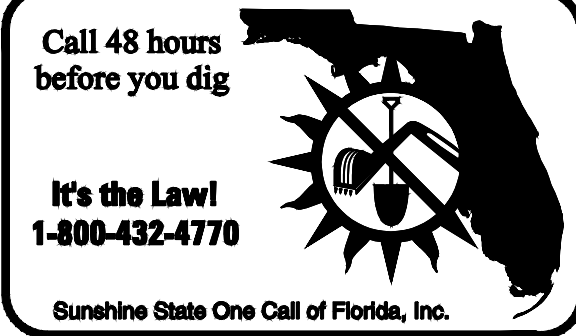
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WILSON GROVES
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 PAVING, GRADING, & DRAINAGE PLAN
 PORT ST. LUCIE, FLORIDA

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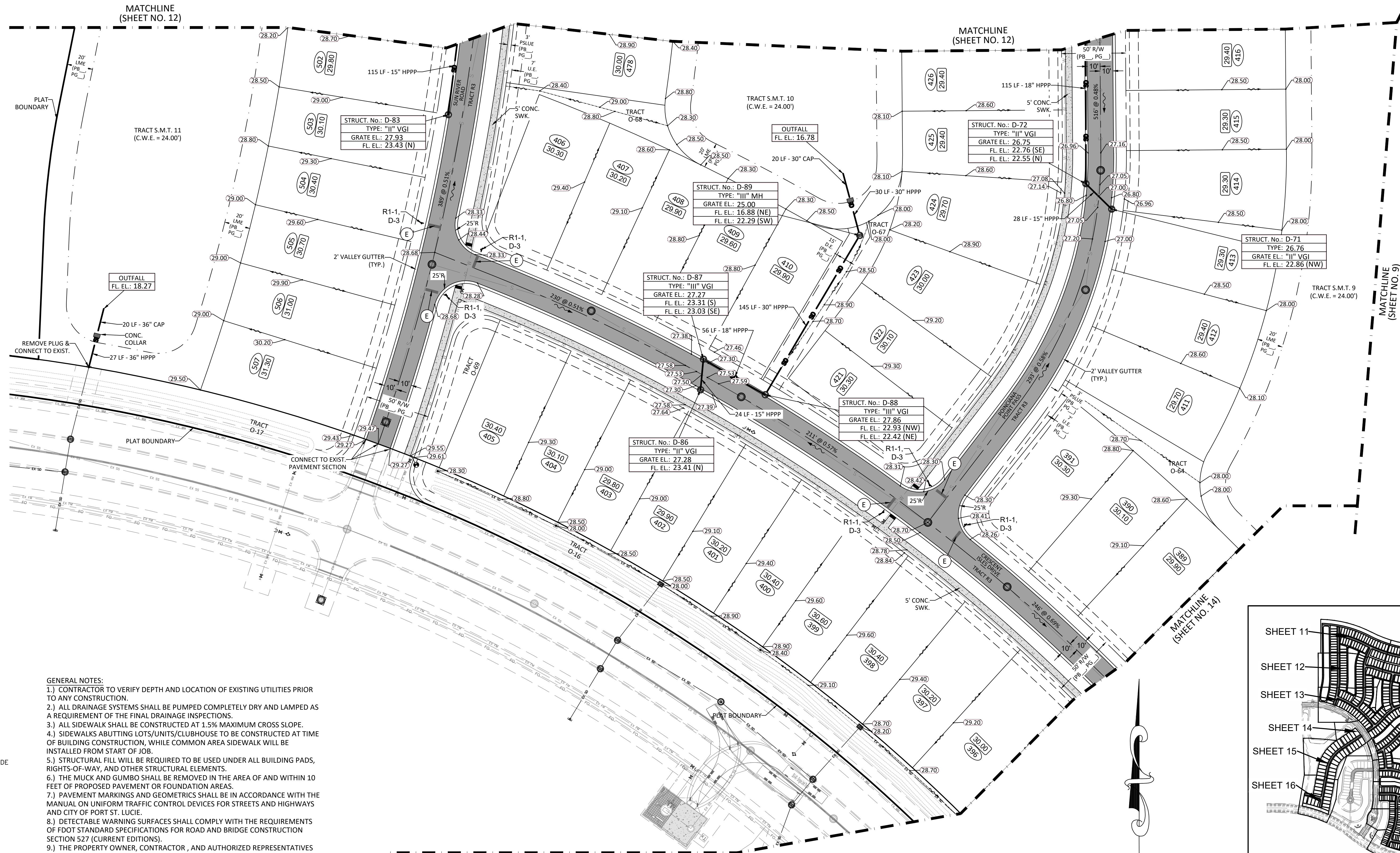
JOB #4371-A02
 SHT. NO.
PD-12
 OF 22 SHEETS



CONTRACTOR NOTE:
CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

ALL ELEVATIONS SHOWN IN NAVD88 UNLESS OTHERWISE NOTED
CONVERSION: NAVD88 = NGVD - 1.43'

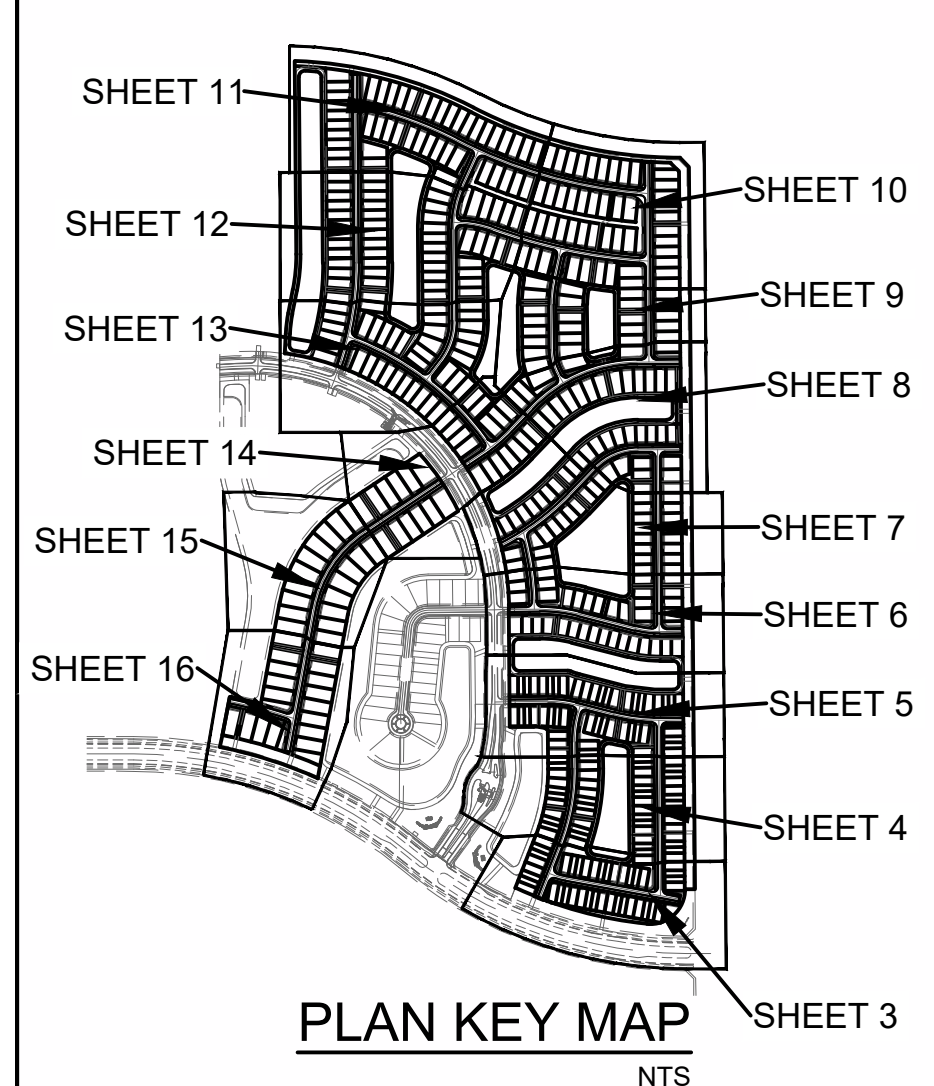
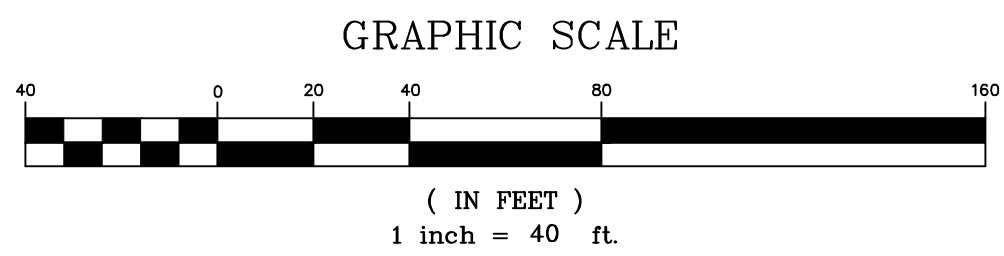
MIN. ROADWAY CROWN EL. = 27.00-FT (10yr-24hr PEAK STAGE = 26.87-FT)
MIN. PERIMETER BERM EL. = 27.80-FT (25yr-72hr PEAK STAGE = 27.74-FT)
MIN. FINISHED FLOOR EL. = 29.00-FT (100yr-72hr ZD PEAK STAGE = 27.84-FT)



- PAVEMENT MARKING LEGEND**
- A - 6" SOLID WHITE
 - B - 8" SOLID WHITE
 - C - 12" SOLID WHITE
 - D - 18" SOLID WHITE
 - E - 24" SOLID WHITE
 - F - 6" WHITE - SKIP (10'-30')
 - G - 6" WHITE - SKIP (6'-10')
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 - P - RPM BI-DIRECTIONAL AMBER/AMBER
 - R - FDP WHITE
 - S - FDP YELLOW
 - T - RPM BI-DIRECTIONAL WHITE/RED
 - U - RPM BI-DIRECTIONAL RED/YELLOW
- LEGEND**
- ### FINISHED FLOOR EL.
 - ## LOT NUMBER
 - ### PROPOSED GRADE
 - ### EXISTING GRADE
 - ~ FLOW ARROW
 - ### @ 0.4% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
 - PROPOSED PAVEMENT
 - PROPOSED CONCRETE
 - PROPOSED PAVERS
 - DETECTABLE WARNING MAT
 - LITTORAL ZONE
 - STABILIZED EMERGENCY ACCESS ROAD
 - M.E.E. MATCH EXISTING ELEVATION
 - GRADING CROSS-SECTION

GENERAL NOTES:

- CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.
- ALL DRAINAGE SYSTEMS SHALL BE PUMPED COMPLETELY DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTIONS.
- ALL SIDEWALK SHALL BE CONSTRUCTED AT 1.5% MAXIMUM CROSS SLOPE.
- SIDEWALKS ABUTTING LOTS/UNITS/CLUBHOUSE TO BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION, WHILE COMMON AREA SIDEWALK WILL BE INSTALLED FROM START OF JOB.
- STRUCTURAL FILL WILL BE REQUIRED TO BE USED UNDER ALL BUILDING PADS, RIGHTS-OF-WAY, AND OTHER STRUCTURAL ELEMENTS.
- THE MUCK AND GUMBO SHALL BE REMOVED IN THE AREA OF AND WITHIN 10 FEET OF PROPOSED PAVEMENT OR FOUNDATION AREAS.
- PAVEMENT MARKINGS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND CITY OF PORT ST. LUCIE.
- DETECTABLE WARNING SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 527 (CURRENT EDITIONS).
- THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (G).
- AS AN ALTERNATE TO ADVANCED DRAINAGE SYSTEMS, INC. HPPP DRAINAGE, RCP STORM PIPE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL FROM THE CITY OF PORT ST. LUCIE, CAULFIELD & WHEELER, INC., & DEVELOPER.



NO.	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-1452
FILE NAME: 437PD-A-02.dwg

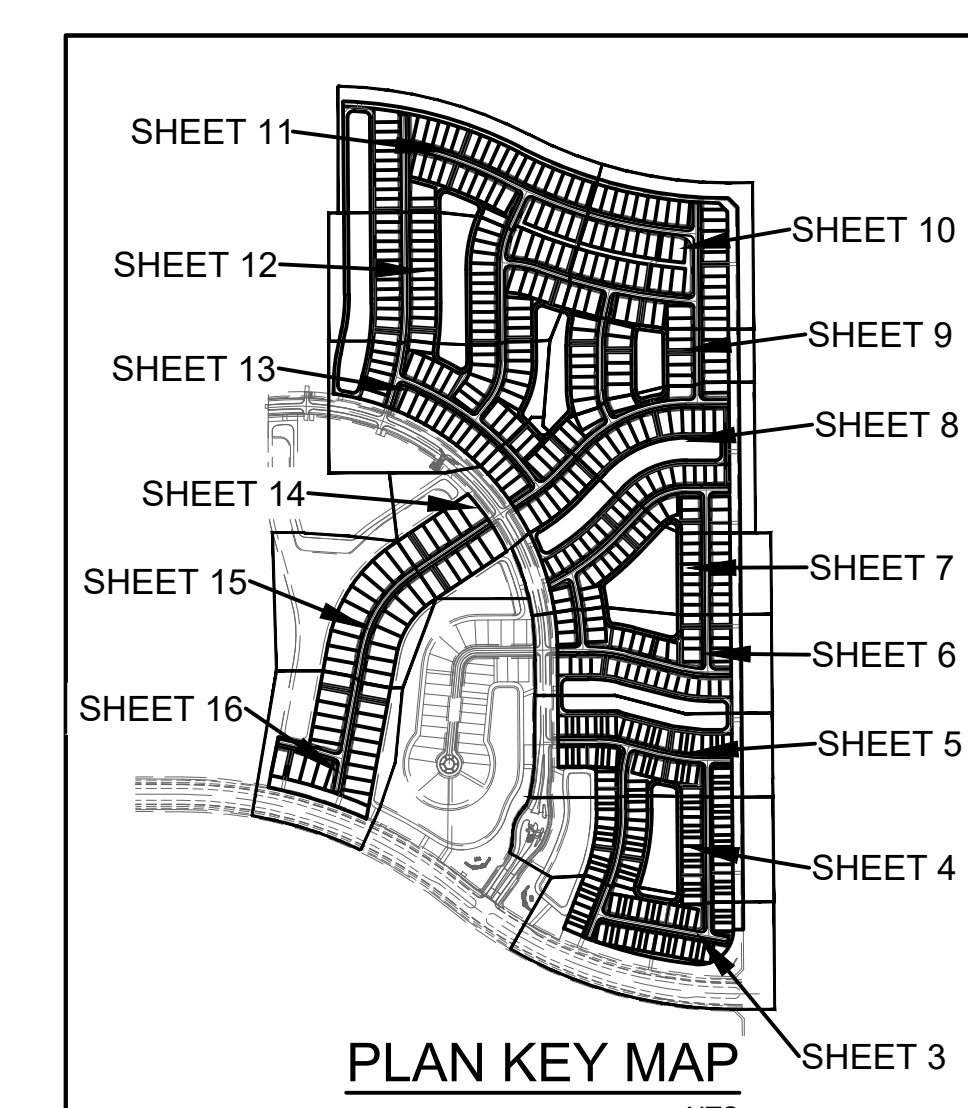
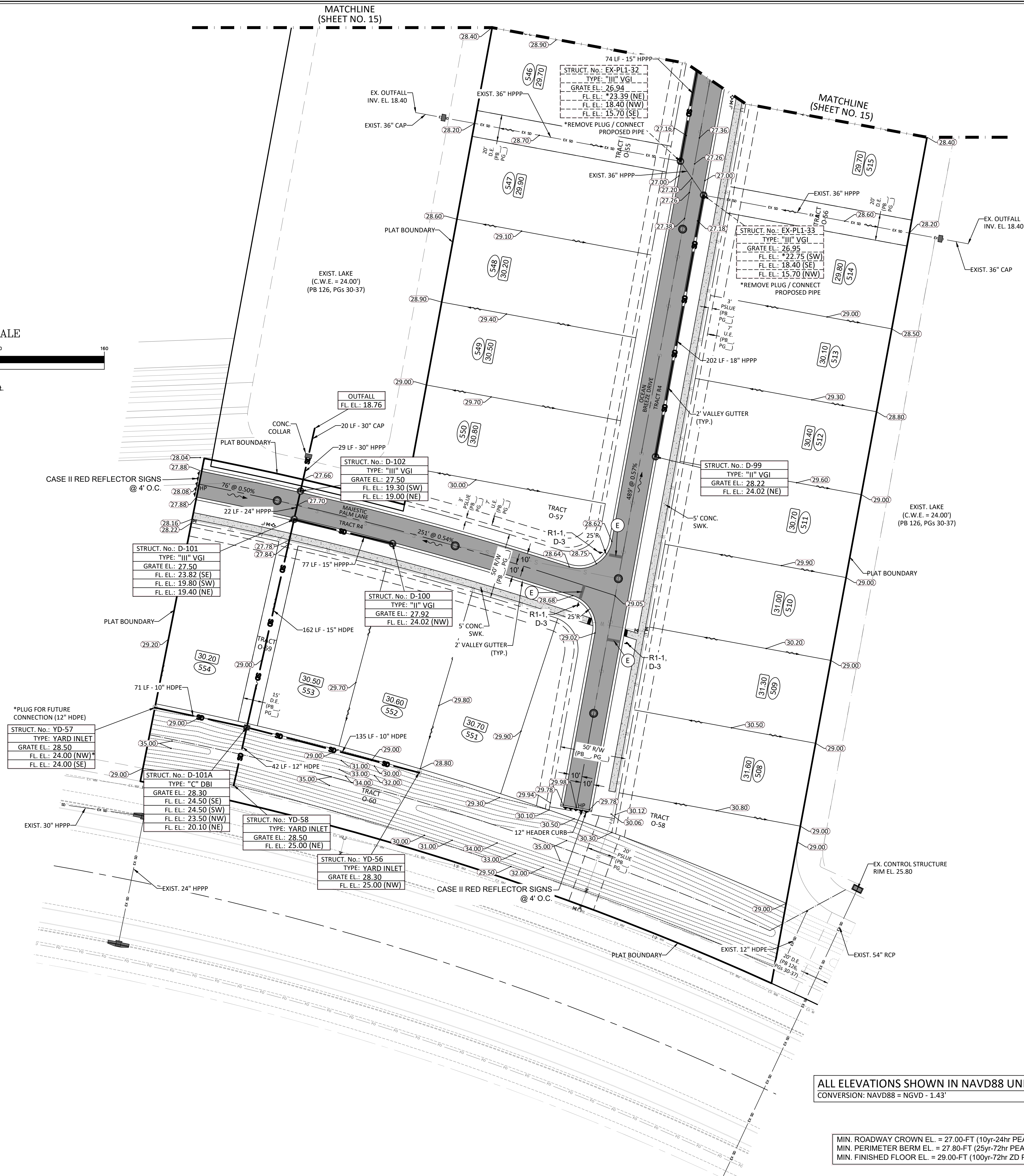
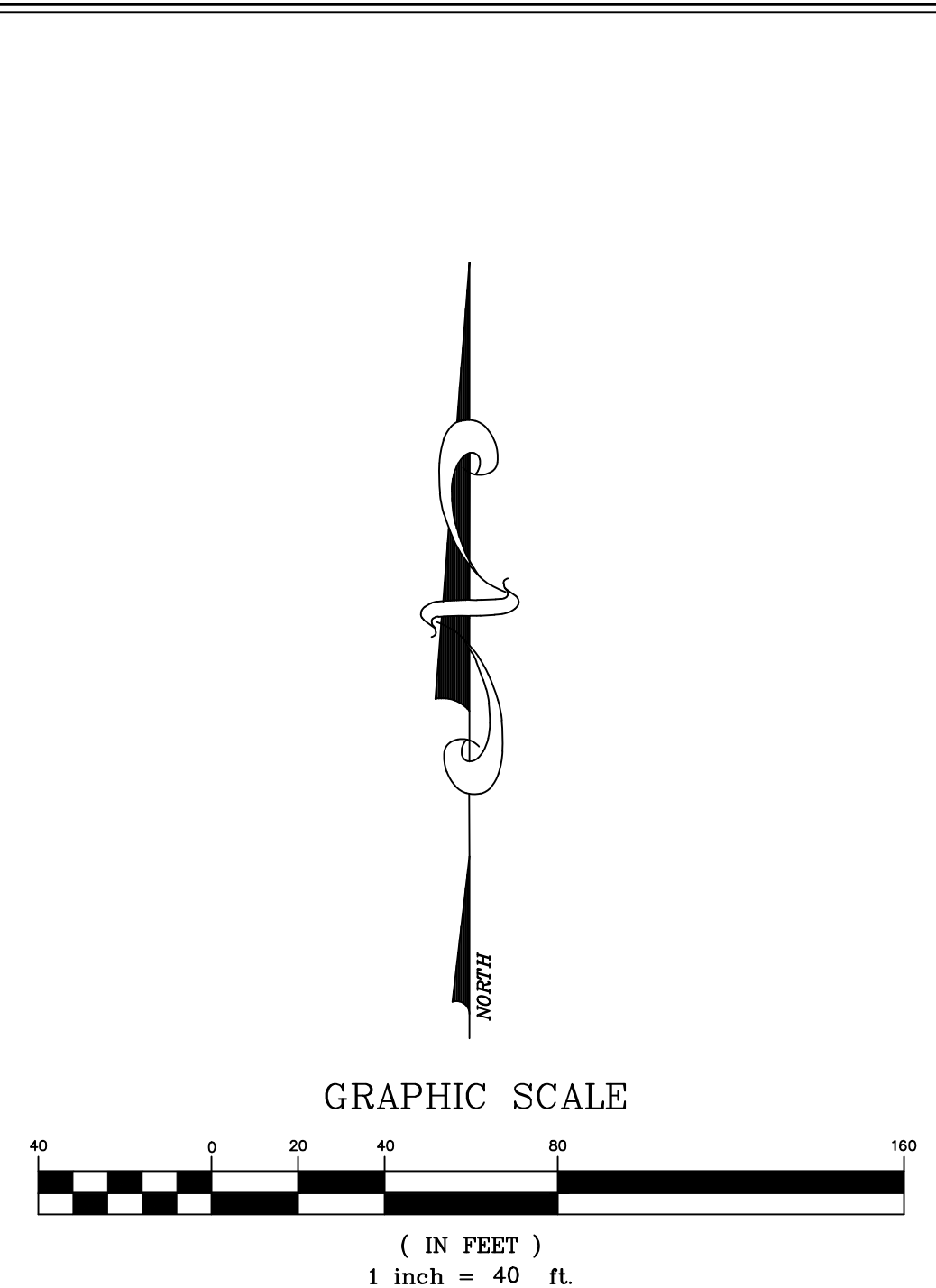
WILSON GROVES
PARCEL A PLAT 2
PAVING, GRADING, & DRAINAGE PLAN
PORT ST. LUCIE, FLORIDA

DATE 11/01/2024
DRAWN BY RHT
F.B./PG. ---
SCALE 1"=40'

RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM
DATE Apr 16, 2025

JOB #4371-A02
SHT. NO.
PD-13
OF 22 SHEETS

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195



- GENERAL NOTES:**
- 1.) CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.
 - 2.) ALL DRAINAGE SYSTEMS SHALL BE PUMPED COMPLETELY DRY AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTIONS.
 - 3.) ALL SIDEWALK SHALL BE CONSTRUCTED AT 1.5% MAXIMUM CROSS SLOPE.
 - 4.) SIDEWALKS ABUTTING LOTS/UNITS/CLUBHOUSE TO BE CONSTRUCTED AT TIME OF BUILDING CONSTRUCTION, WHILE COMMON AREA SIDEWALK WILL BE INSTALLED FROM START OF JOB.
 - 5.) STRUCTURAL FILL WILL BE REQUIRED TO BE USED UNDER ALL BUILDING PADS, RIGHTS-OF-WAY, AND OTHER STRUCTURAL ELEMENTS.
 - 6.) THE MUCK AND GUMBO SHALL BE REMOVED IN THE AREA OF AND WITHIN 10 FEET OF PROPOSED PAVEMENT OR FOUNDATION AREAS.
 - 7.) PAVEMENT MARKINGS AND GEOMETRICS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND CITY OF PORT ST. LUCIE.
 - 8.) DETECTABLE WARNING SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 527 (CURRENT EDITIONS).
 - 9.) THE PROPERTY OWNER, CONTRACTOR, AND AUTHORIZED REPRESENTATIVES SHALL PROVIDE PICKUP, REMOVAL, AND DISPOSAL OF LITTER WITHIN THE PROJECT LIMITS AND SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE AREA FROM THE EDGE OF PAVEMENT TO THE PROPERTY LINE WITHIN THE CITY'S RIGHT-OF-WAY IN ACCORDANCE WITH CITY CODE, SECTION 41.08 (1).
 - 10.) AS AN ALTERNATE TO ADVANCED DRAINAGE SYSTEMS, INC. HPPP DRAINAGE, RCP STORM PIPE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL FROM THE CITY OF PORT ST. LUCIE, CAULFIELD & WHEELER, INC., & DEVELOPER.

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 - U - RPM BI-DIRECTIONAL RED/YELLOW

- LEGEND**
- ### FINISHED FLOOR EL.
 - ## LOT NUMBER
 - PROPOSED GRADE
 - - - EXISTING GRADE
 - FLOW ARROW
 - ### @ 0.##% ROADWAY PROFILE DISTANCE, GRADE AND DIRECTION
 - PROPOSED PAVEMENT
 - PROPOSED CONCRETE
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 - DETECTABLE WARNING MAT
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ALL ELEVATIONS SHOWN IN NAVD88 UNLESS OTHERWISE NOTED
CONVERSION: NAVD88 = NGVD - 1.43'

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CONTRACTOR NOTE:
CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION.

PSLUSD PROJECT NO. 11-681-A4
CITY OF PSL PROJECT NO. P24-195

NO.	REVISIONS	DATE	BY

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-4452
FILE NAME: 437PD-A-02.dwg

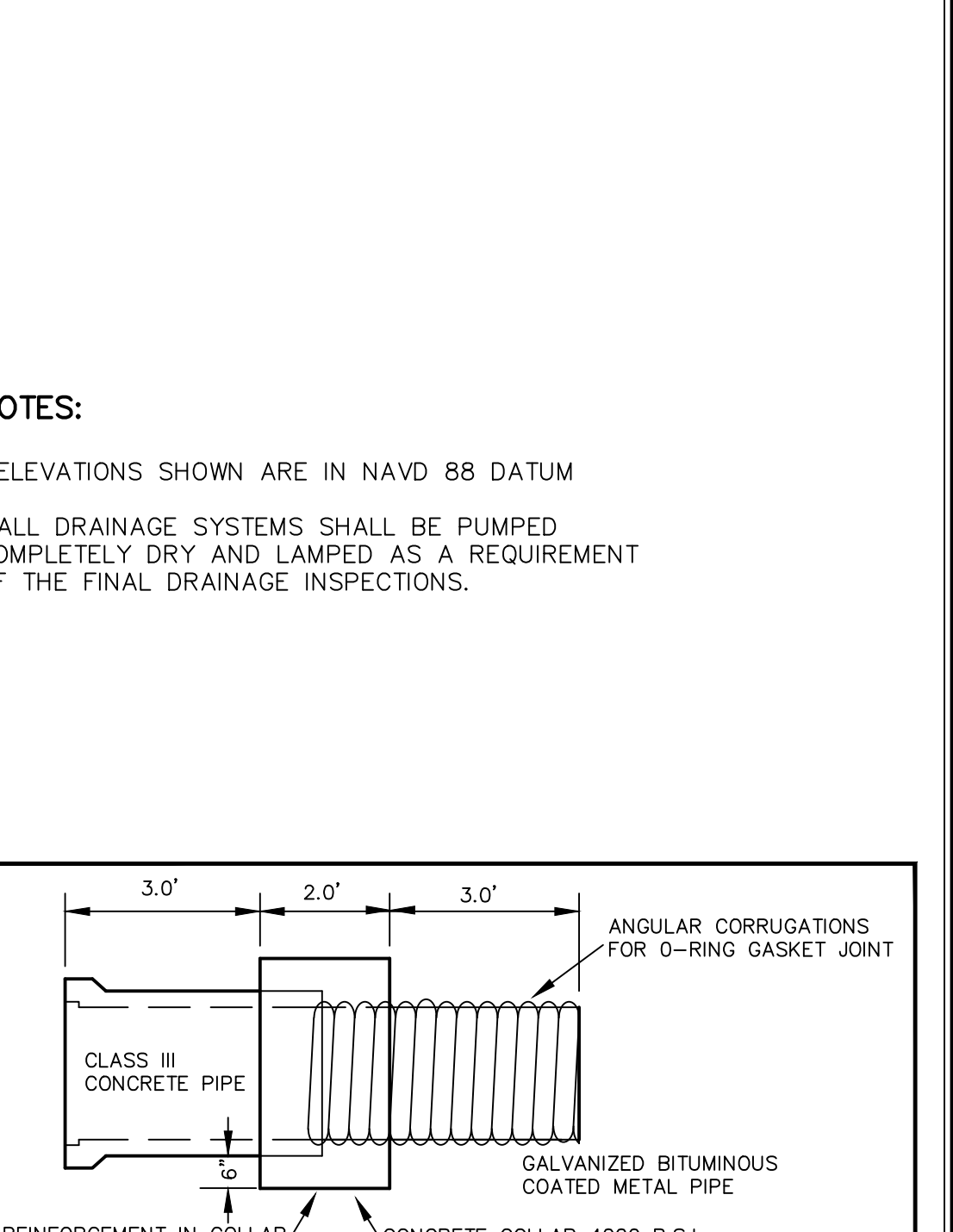
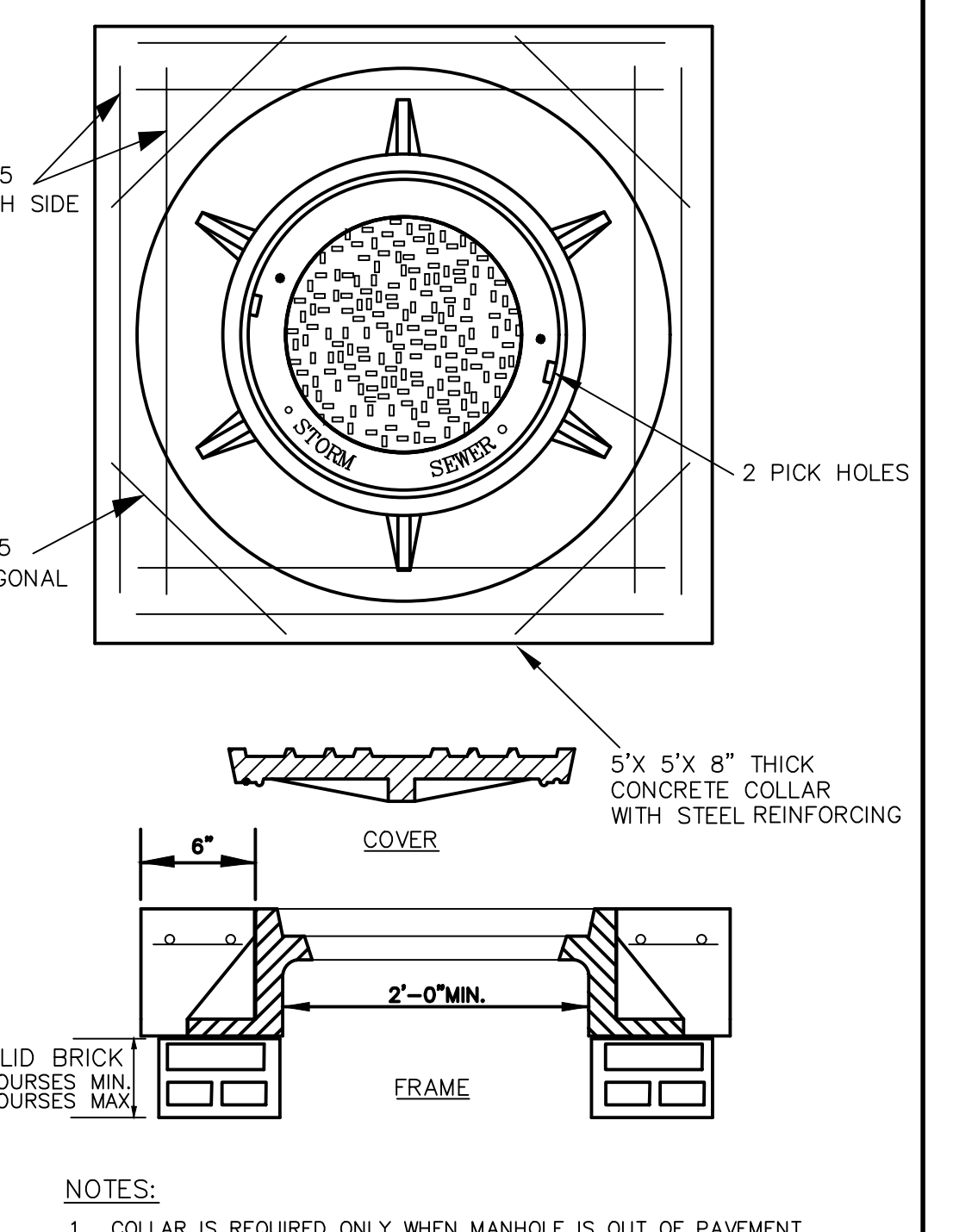
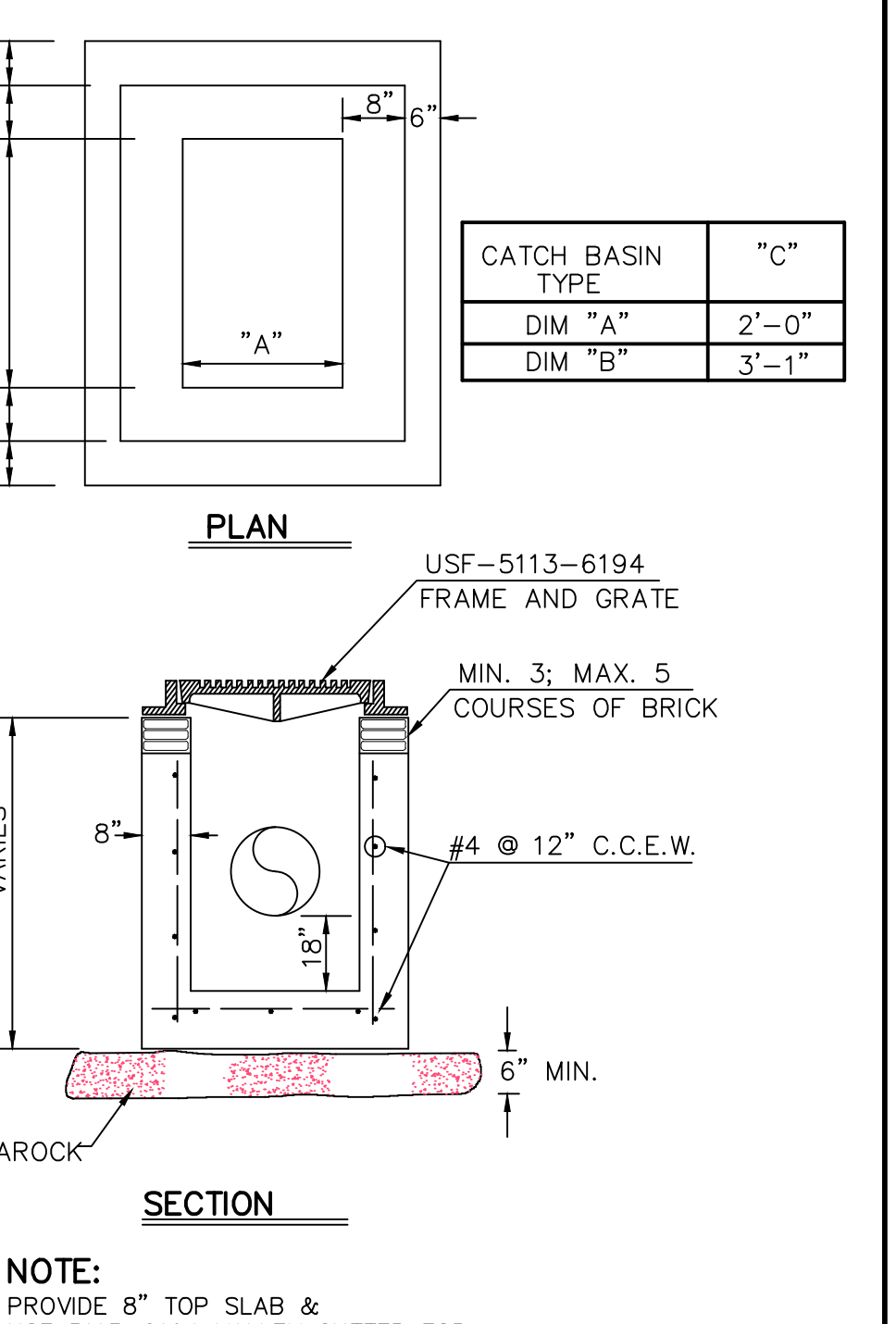
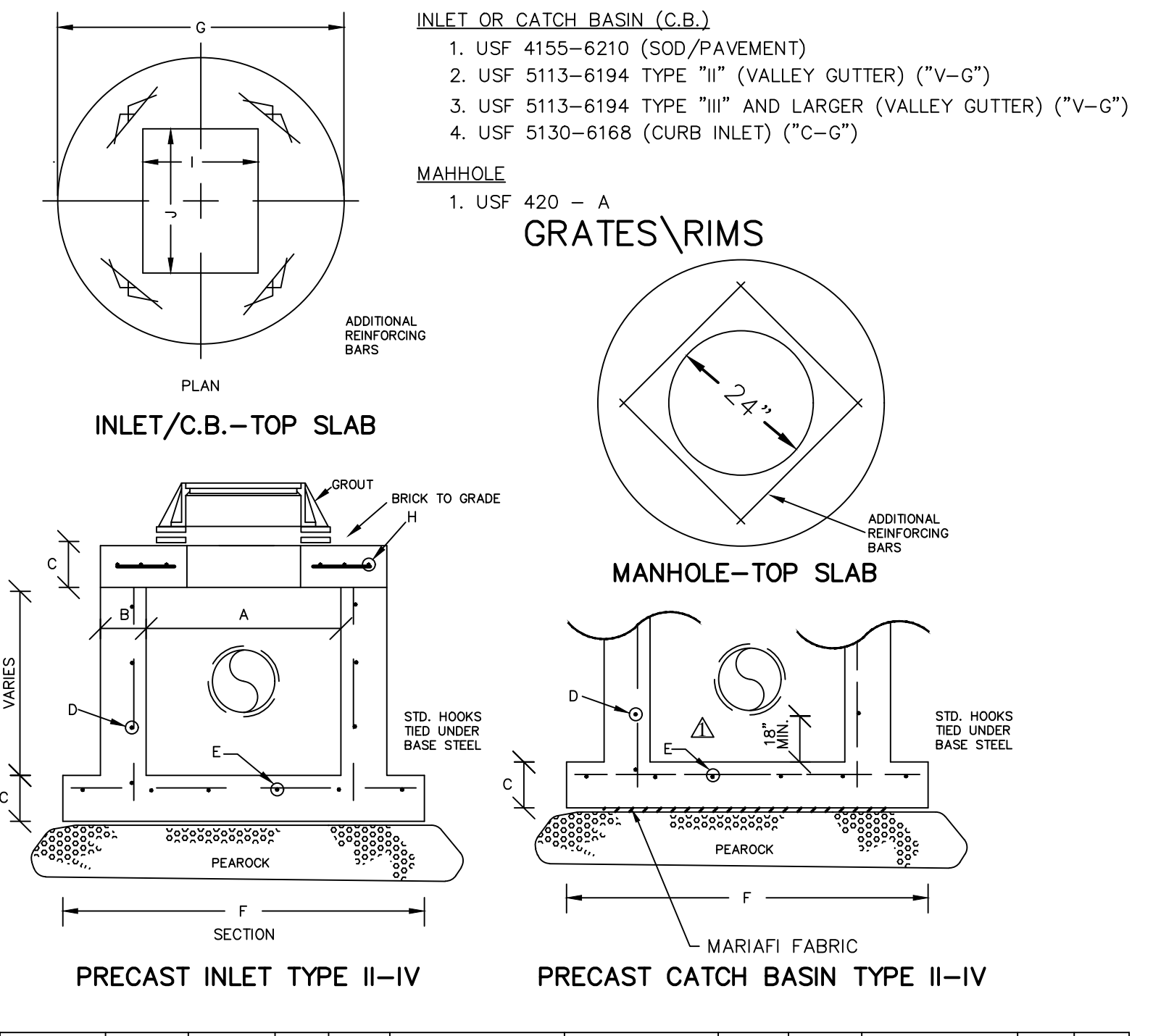
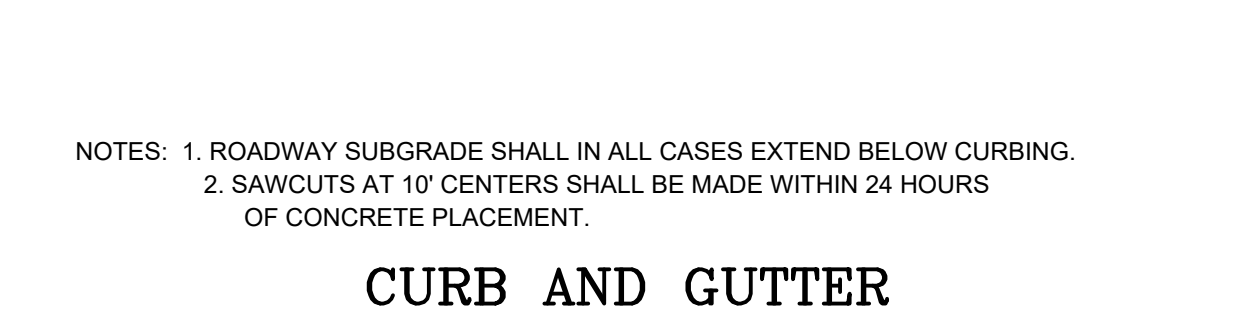
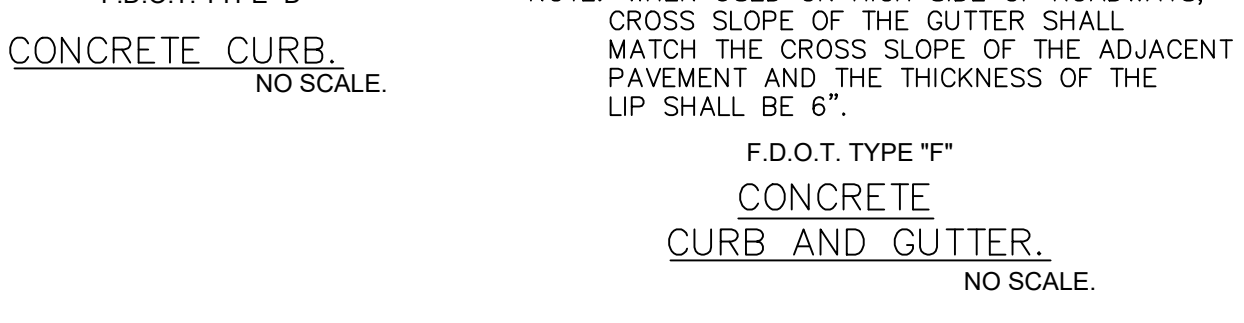
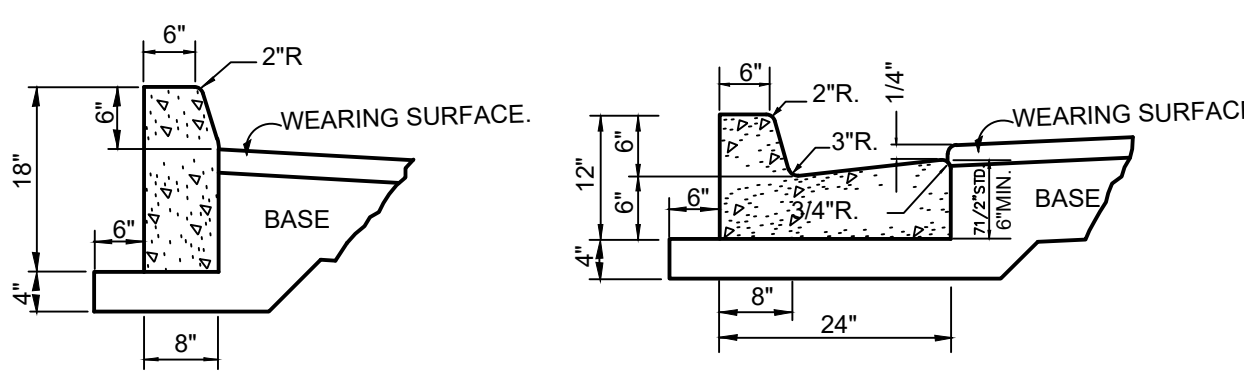
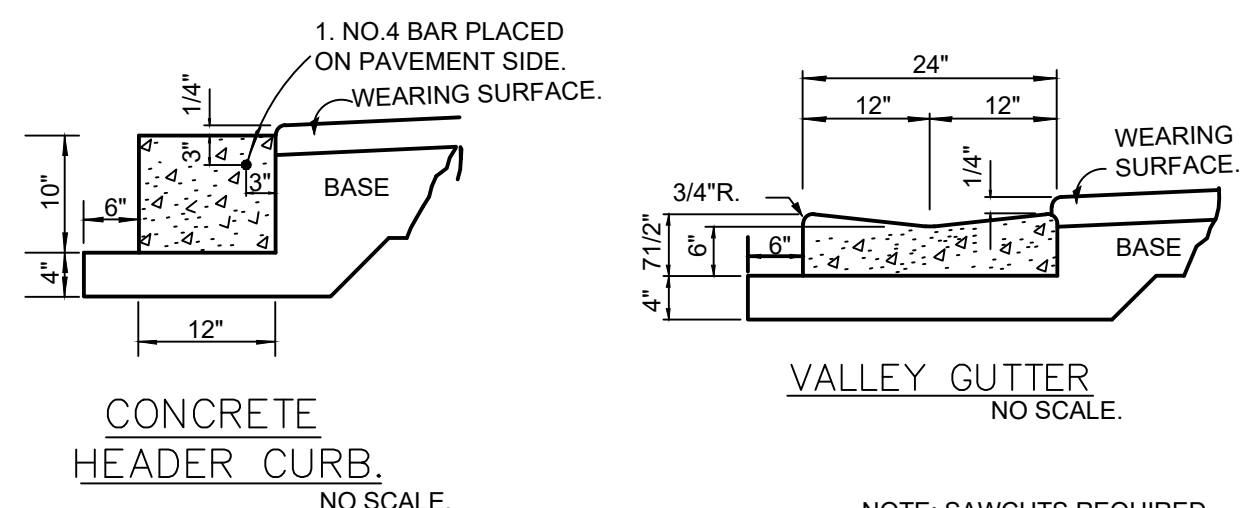
**WILSON GROVES
PARCEL A PLAT 2
PAVING, GRADING, & DRAINAGE PLAN**

PORT ST. LUCIE, FLORIDA

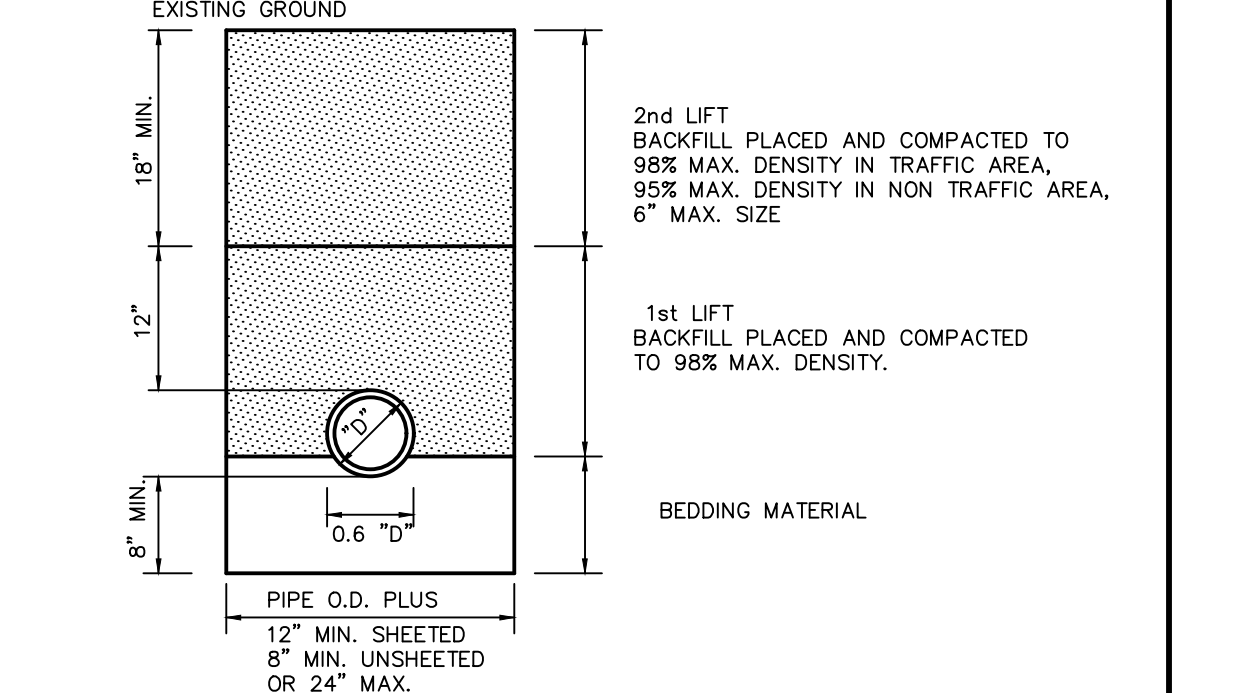
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F.B./ PG. ---
SCALE 1"=40'

RYAN D. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 71477
STATE OF FLORIDA
FOR THE FIRM -
DATE Apr. 16, 2025

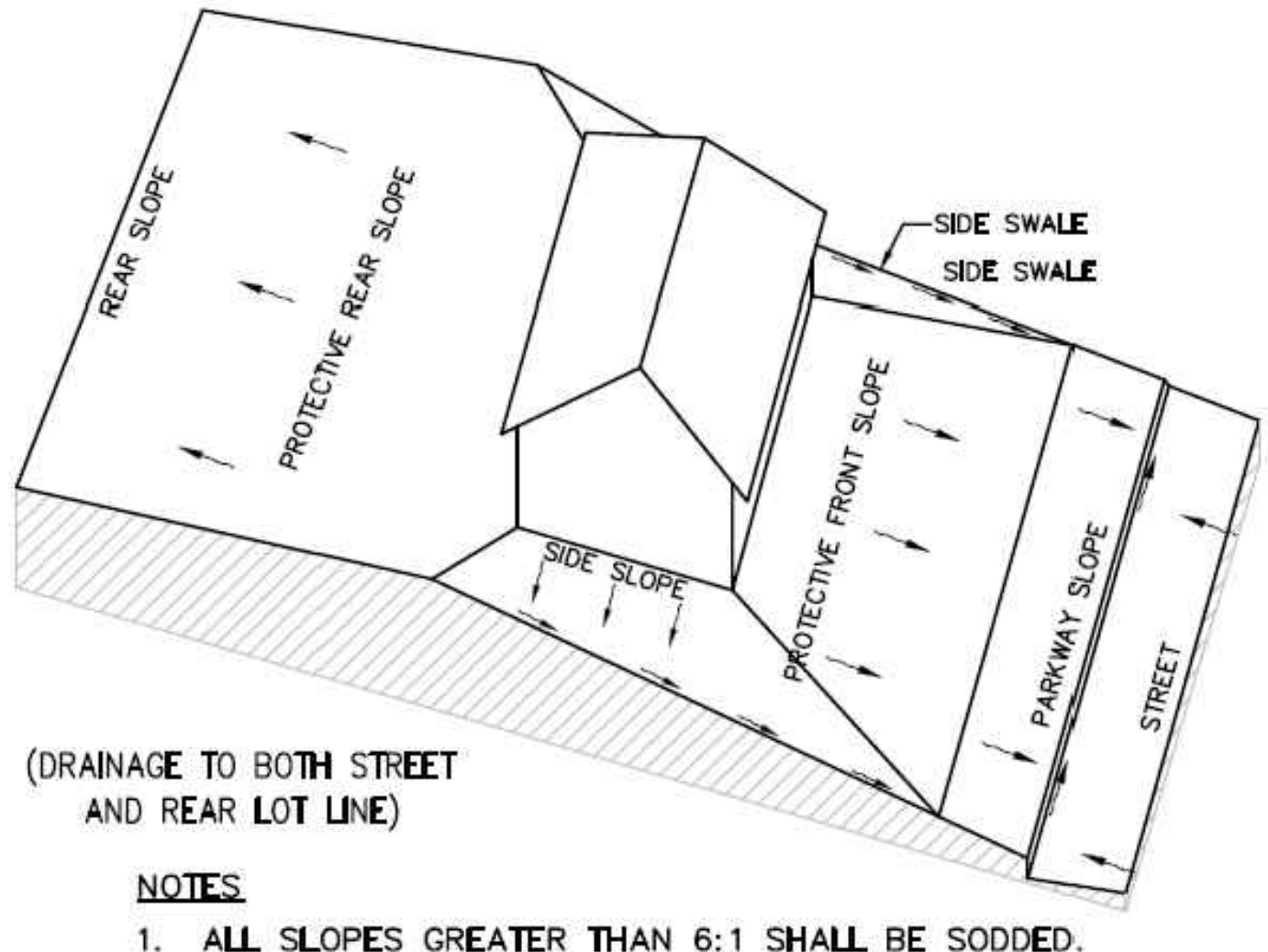
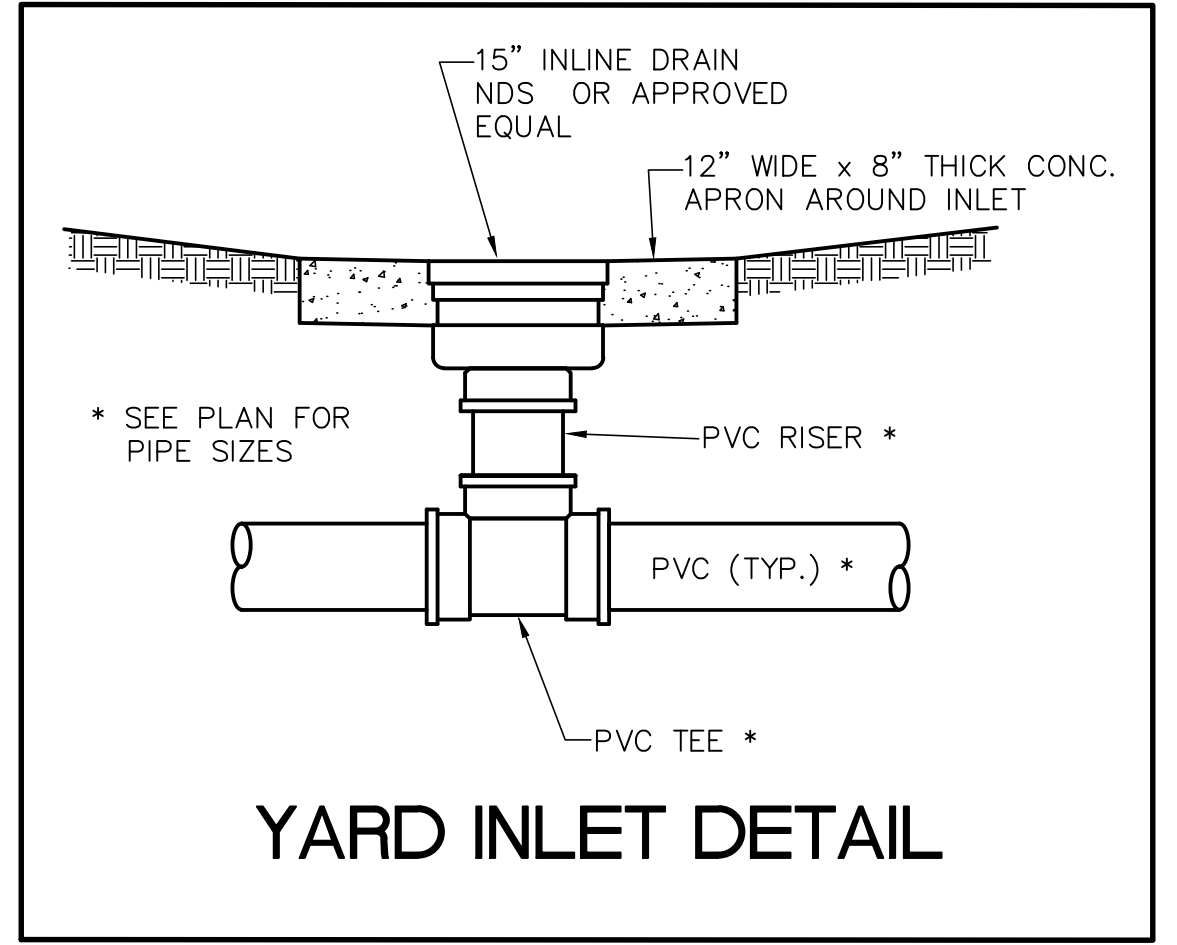
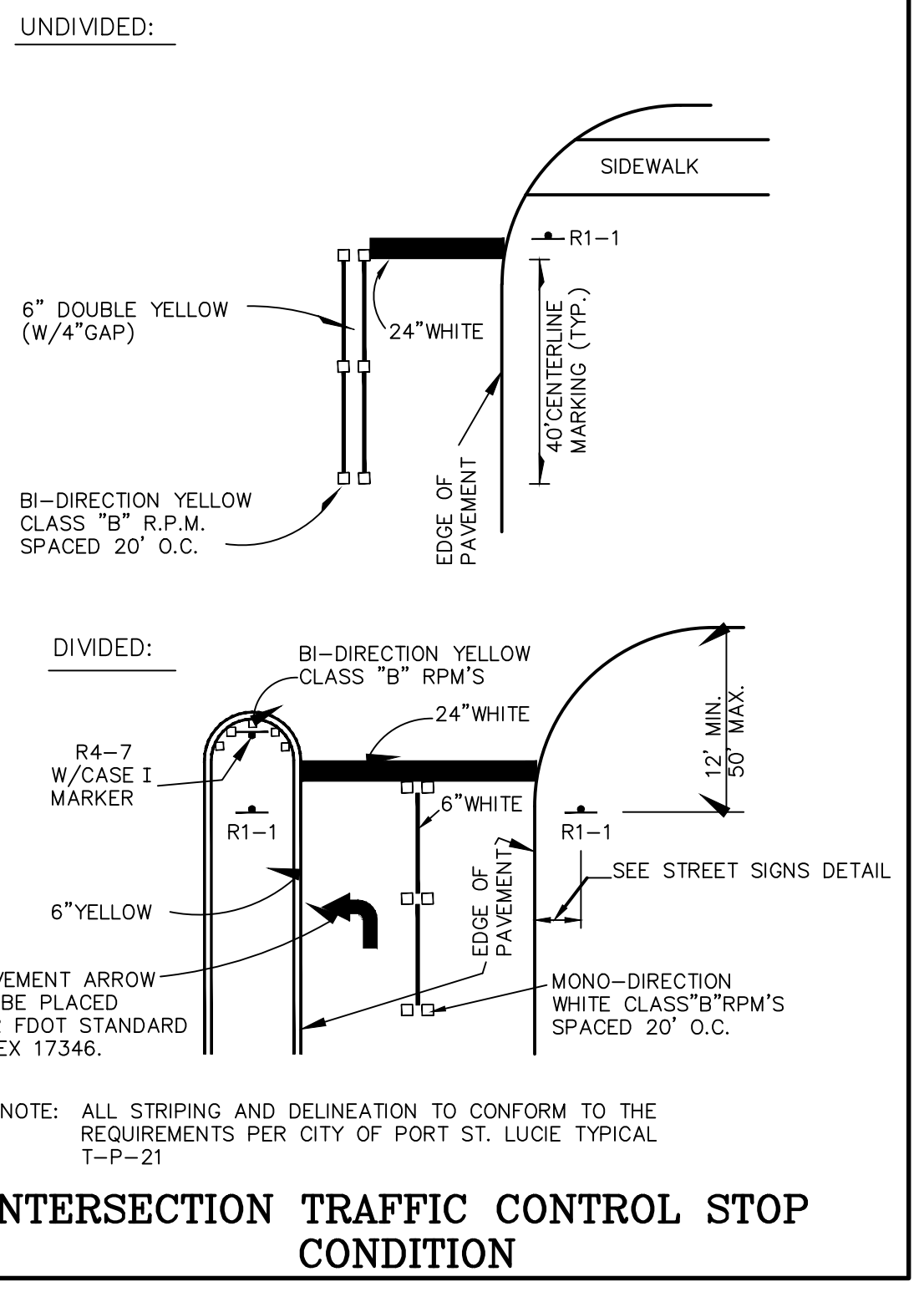
JOB #4371-A02
SHT. NO.
PD-16
OF 22 SHEETS



NOTES: 1. ROADWAY SUBGRADE SHALL IN ALL CASES EXTEND BELOW CURBING.
2. SAWCUTS AT 10' CENTERS SHALL BE MADE WITHIN 24 HOURS OF CONCRETE PLACEMENT.



TRENCH EXCAVATION NOTES:
1. PIPE BEDDING: WHEN THE PIPE IS LAID IN THE PREPARED TRENCH, TRUE TO LINE AND GRADE, THE PIPE BARREL SHALL RECEIVE CONTINUOUS UNIFORM SUPPORT. WHERE NECESSARY, COURSE SAND, PEA ROCK OR 3/4-INCH LIMESTONE GRAVEL SHALL BE USED TO PROVIDE UNIFORM BEDDING.
2. BACKFILL MATERIAL: BACKFILL MATERIAL SHALL BE NON-COHESIVE AND NON-PLASTIC SOIL THAT IS FREE OF ALL DEBRIS, LUMPS, CLODS, WOOD, BROKEN PAVING OR ANY ORGANIC OR UNSUITABLE MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE (1.0) FOOT OF THE PIPE SHALL CONTAIN NO ROCKS OR STONES LARGER THAN TWO (2) INCHES IN DIAMETER. NO ROCKS OR STONES LARGER THAN SIX (6) INCHES IN DIAMETER WILL BE PERMITTED IN THE REMAINING BACKFILL UNLESS OTHERWISE SPECIFIED.
3. BACKFILL COMPACTION: TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 98 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY AASHTO T-180. WHERE THE BACKFILL LIES WITHIN THE ROADWAY EMBANKMENT OR SUBGRADE, IT SHALL BE COMPACTED TO DENSITIES SPECIFIED FOR THESE AREAS.
4. DENSITY TESTING: FIELD DENSITY TESTS SHALL BE PERFORMED IN EACH BACKFILL LIFT AND AT A FREQUENCY OF NOT LESS THAN ONE TEST PER 40 CUBIC YARDS OF BACKFILL PLACED, AND A MINIMUM OF ONE TEST LOCATION WITHIN 1.0' OF EACH INLET AND OR MANHOLE.
5. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS.
6. MUCK OR OTHER SUITABLE MATERIAL BE COMPLETELY REMOVED.



NOTES:
1. ALL SLOPES GREATER THAN 6:1 SHALL BE SODDED.
2. ROOF RUNOFF FROM SIDES AND REAR OF HOUSES SHALL BE DIRECTED TOWARD SIDE AND REAR YARD SWALES ACCORDINGLY.

TYPE 'B' LOT GRADING DETAIL

MIN. ROADWAY CROWN EL. = 27.00-FT (10yr-24hr PEAK STAGE = 26.87-FT)
MIN. PERIMETER BERM EL. = 27.80-FT (25yr-72hr PEAK STAGE = 27.74-FT)
MIN. FINISHED FLOOR EL. = 29.00-FT (100yr-72hr ZD PEAK STAGE = 27.84-FT)

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