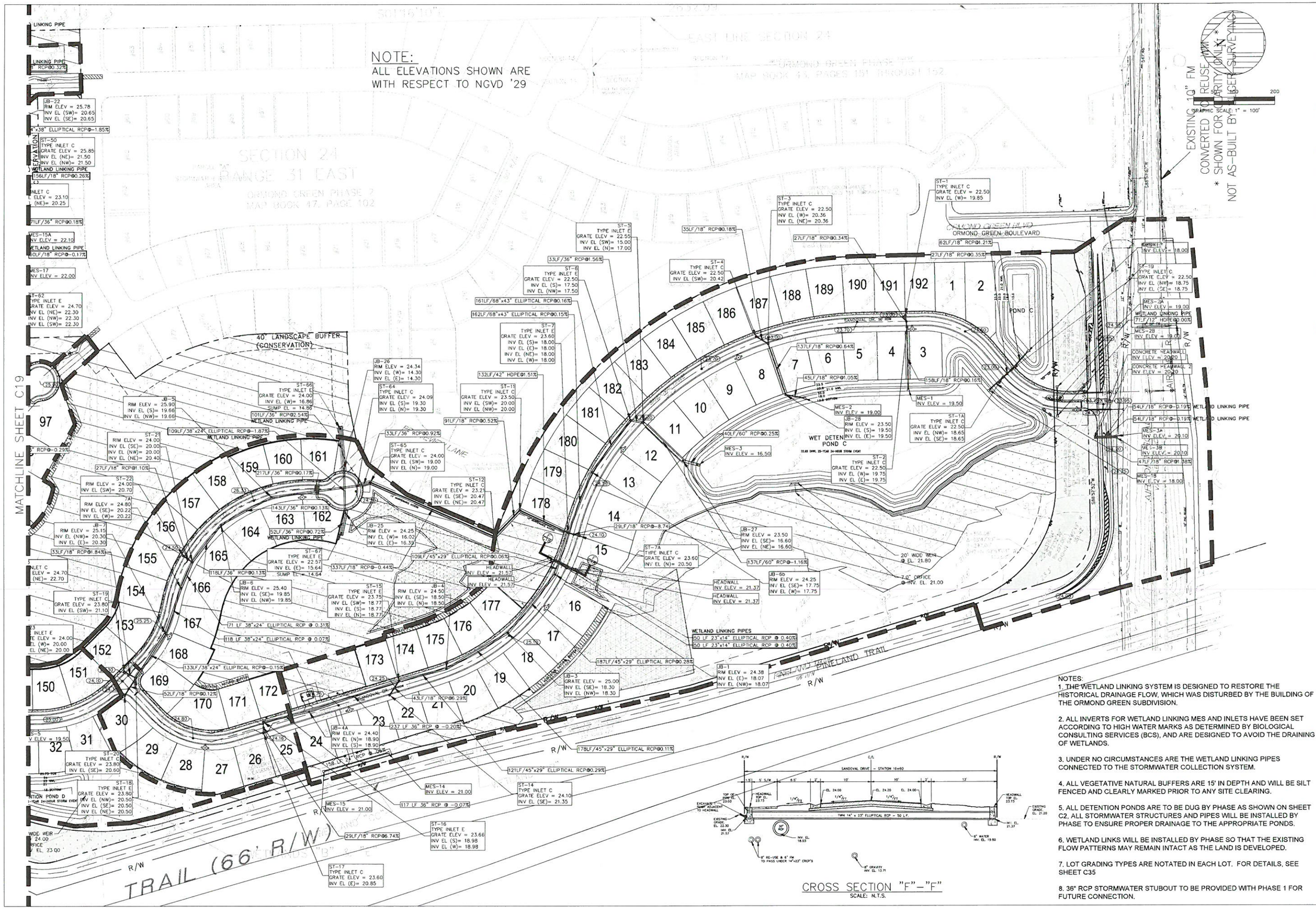

NOTES:

1. THE WETLAND LINKING SYSTEM IS DESIGNED TO RESTORE THE HISTORICAL DRAINAGE FLOW, WHICH WAS DISTURBED BY THE BUILDING OF THE ORMOND GREEN SUBDIVISION.

2. ALL INVERTS FOR WETLAND LINKING MES AND INLETS HAVE BEEN SET ACCORDING TO HIGH WATER MARKS AS DETERMINED BY BIOLOGICAL CONSULTING SERVICES (BCS), AND ARE DESIGNED TO AVOID THE DRAINING OF WETLANDS.

3. UNDER NO CIRCUMSTANCES ARE THE WETLAND LINKING PIPES CONNECTED TO THE STORMWATER COLLECTION SYSTEM.

4. ALL VEGETATIVE NATURAL BUFFERS ARE 15' IN DEPTH AND WILL BE SILT FENCED AND CLEARLY MARKED PRIOR TO ANY SITE CLEARING.

5. ALL DETENTION PONDS ARE TO BE DUG BY PHASE AS SHOWN ON SHEET C2, ALL STORMWATER STRUCTURES AND PIPES WILL BE INSTALLED BY PHASE TO ENSURE PROPER DRAINAGE TO THE APPROPRIATE PONDS.

6. WETLAND LINKS WILL BE INSTALLED BY PHASE SO THAT THE EXISTING FLOW PATTERNS MAY REMAIN INTACT AS THE LAND IS DEVELOPED.

7. LOT GRADING TYPES ARE NOTATED IN EACH LOT. FOR DETAILS, SEE SHEET C35

8. 36" RCP STORMWATER STUBOUT TO BE PROVIDED WITH PHASE 1 FOR FUTURE CONNECTION.

CROSS SECTION "F"–"F"
SCALE: N.T.S.

NO.	DATE	APPR.	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SFRC COMMENTS DATED 4-28-15
2	03-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SFRC COMMENTS DATED 2-24-16

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DESIGNED: MMM
DATE: 03/10/15
DRAWN: RJM/KMP
PLOTTED: 05/05/16
CHECKED: PAZ
SCALE: 1"=100'

PINELAND SUBDIVISION
ORMOND BEACH FL
ENLARGED OVERALL DRAINAGE PLAN 1 (SOUTH)

1505-PDU.dwg
PROJECT NO. 1505

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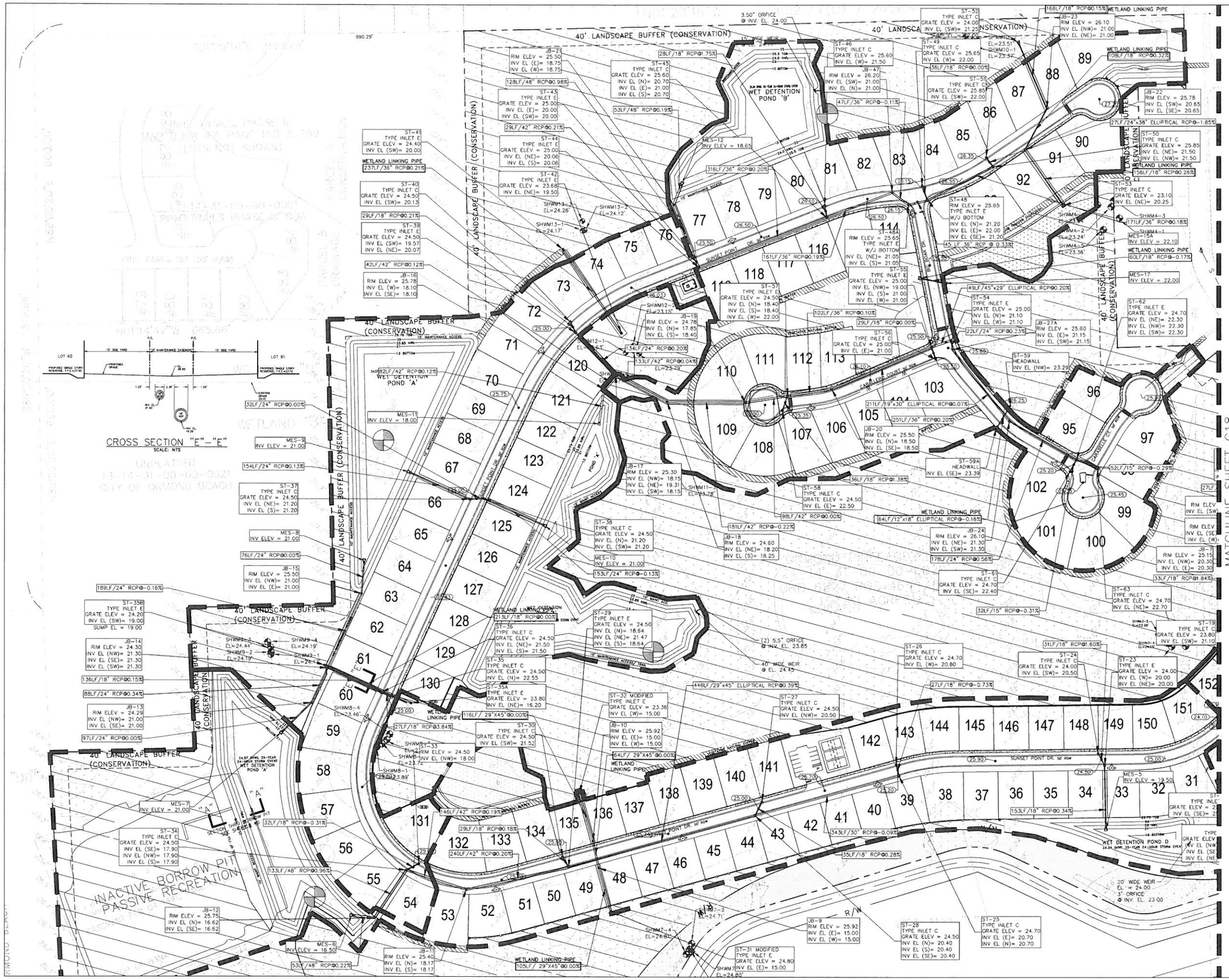
SHT C18 OF 45

Z:\Data\Projects_ZEI PROJECTS\2015\1505 Pineland\dwg\Revised per city comments 2-24-16\1505-PDU.dwg, 5/5/2016 5:05:26 PM, DWG To PDF.pc3



NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

NOTE:
ALL PROPOSED BORINGS SHOWN IN EXACT LOCATIONS

NOTES:

1. THE WETLAND LINKING SYSTEM IS DESIGNED TO RESTORE THE HISTORICAL DRAINAGE FLOW, WHICH WAS DISTURBED BY THE BUILDING OF THE ORMOND GREEN SUBDIVISION.

2. ALL INVERTS FOR WETLAND LINKING MES AND INLETS HAVE BEEN SET ACCORDING TO HIGH WATER MARKS AS DETERMINED BY BIOLOGICAL CONSULTING SERVICES (BCS), AND ARE DESIGNED TO AVOID THE DRAINING OF WETLANDS.

3. UNDER NO CIRCUMSTANCES ARE THE WETLAND LINKING PIPES CONNECTED TO THE STORMWATER COLLECTION SYSTEM.

4. ALL VEGETATIVE NATURAL BUFFERS ARE 15' IN DEPTH AND WILL BE SILT FENCED AND CLEARLY MARKED PRIOR TO ANY SITE CLEARING.

5. ALL DETENTION PONDS ARE TO BE DUG BY PHASE AS SHOWN ON SHEET C2, ALL STORMWATER STRUCTURES AND PIPES WILL BE INSTALLED BY PHASE TO ENSURE PROPER DRAINAGE TO THE APPROPRIATE PONDS.

6. WETLAND LINKS WILL BE INSTALLED BY PHASE SO THAT THE EXISTING FLOW PATTERNS MAY REMAIN INTACT AS THE LAND IS DEVELOPED.

7. LOT GRADING TYPES ARE NOTATED IN EACH LOT. FOR DETAILS, SEE SHEET C35

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2	03-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SFRC COMMENTS DATED 2-24-16

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DRAWN: RJM/KMP
CHECKED: PAZ
DATE: 03/10/15
PLOTTED: 05/05/16
SCALE: 1"=100'

PINELAND SUBDIVISION
ORMOND BEACH FL
ENLARGED OVERALL DRAINAGE PLAN 2 (N)

1505-PDU.dwg
PROJECT NO. 1505

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SHT. C19 OF 45

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NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

PHASE 5

PHASE 4

PHASE 3

PHASE 2

PHASE 1

2" BLOWOFF

CONNECT TO EXISTING WATER MAIN WITH TAPPING SLEEVE & VALVE.

8" PVC RECLAIMED WATERMAIN.

8" PVC WATERMAIN.

EXISTING FIRE HYDRANT LOCATION

GREENVALE DRIVE

CONNECT TO EXISTING WATER MAIN WITH 12"x8" TAPPING SLEEVE & VALVE.

EXISTING 12" PVC WATERMAIN.

EXISTING 18" HDPE FM.

EXISTING 10" PVC CONNECTION TO WWM * SEWER FOR CLARITY ONLY * NOT AS-BUILT BY SLICER SURVEYING

1783± L.F.

EXISTING 6" PVC REUSE.

EXISTING 16" PVC FM.

PROPOSED 12" INSERTA VALVE.

EXISTING 10" PVC REUSE.

CONSERVATION EASEMENT 1 AREA=26.217 AC

CONSERVATION EASEMENT 2 AREA=5.597 AC

CONSERVATION EASEMENT 3 AREA=27.100 AC

CONSERVATION EASEMENT 4 AREA=26.217 AC

CONSERVATION EASEMENT 5 AREA=1.047 AC

CONSERVATION EASEMENT 6 AREA=4.190 AC

CONSERVATION EASEMENT 7 AREA=2.690 AC

CONSERVATION EASEMENT 8 AREA=4.404 AC

WET DETENTION POND A

WET DETENTION POND B

WET DETENTION POND C

WET DETENTION POND D

WET DETENTION POND E

WETLAND "A"

WETLAND "B"

WETLAND "C"

WAGNER BORROW PIT PASSIVE RECREATION

ORMOND GREEN BOULEVARD

PINELAND TRAIL

TRAIL (66' R/W)

R/W

INTERSTATE 95

I-95

VARIABLE WIDTH

PINELAND

SANDOVAL

23

RESERVE PARCEL A

25.30

PINELAND R/W

STUBOUT FOR FUTURE CONNECTION.

2" BLOWOFF

SEE SHEET C39 FOR WATERMAIN INSTALLATION NOTES AND DETAILS.

NOTE:
ALL UTILITIES SHALL BE EXTENDED AND STUBBED INTO THE FOLLOWING PHASE FOR FUTURE CONNECTION.

GRAPHIC SCALE: NOT TO SCALE

LEGEND:

- SINGLE RECLAIMED SERVICE
- SINGLE WATER SERVICE
- FIRE HYDRANT

NO	DATE	APPR.	REVISION
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DATE: 03/16/15
PLOTTED: 05/04/16
SCALE: N.T.S

PINELAND SUBDIVISION
ORMOND BEACH FL
OVERALL POTABLE WATER PLAN

1505-PDU.dwg
PROJECT NO. 1505

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EB-0005290

SHT C20 OF 45

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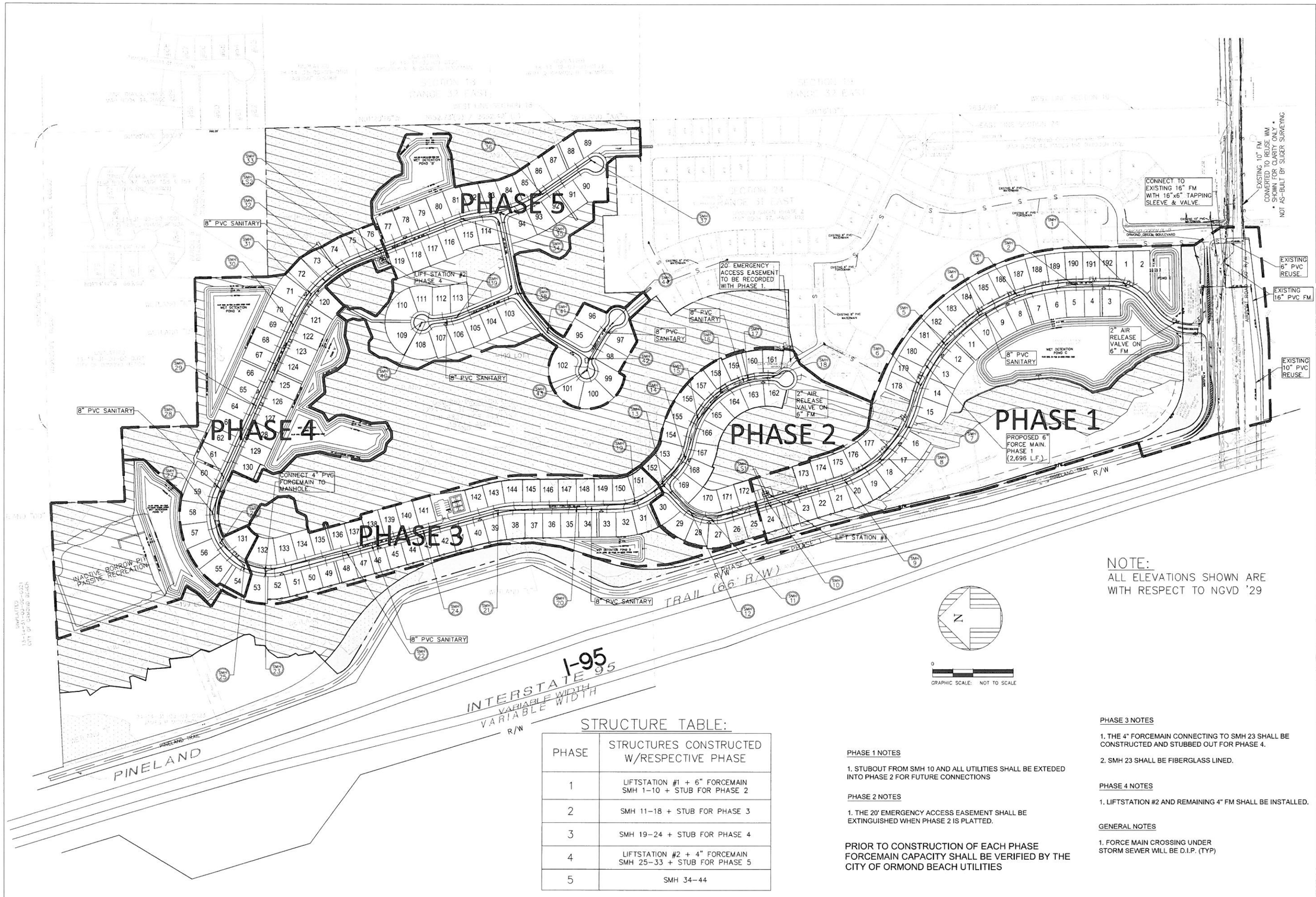

NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

STRUCTURE TABLE:

PHASE	STRUCTURES CONSTRUCTED W/RESPECTIVE PHASE
1	LIFTSTATION #1 + 6" FORCEMAIN SMH 1–10 + STUB FOR PHASE 2
2	SMH 11–18 + STUB FOR PHASE 3
3	SMH 19–24 + STUB FOR PHASE 4
4	LIFTSTATION #2 + 4" FORCEMAIN SMH 25–33 + STUB FOR PHASE 5
5	SMH 34–44

PHASE 1 NOTES

1. STUBOUT FROM SMH 10 AND ALL UTILITIES SHALL BE EXTEDED INTO PHASE 2 FOR FUTURE CONNECTIONS

PHASE 2 NOTES

1. THE 20' EMERGENCY ACCESS EASEMENT SHALL BE EXTINGUISHED WHEN PHASE 2 IS PLATTED.

PRIOR TO CONSTRUCTION OF EACH PHASE FORCEMAIN CAPACITY SHALL BE VERIFIED BY THE CITY OF ORMOND BEACH UTILITIES

PHASE 3 NOTES

1. THE 4" FORCEMAIN CONNECTING TO SMH 23 SHALL BE CONSTRUCTED AND STUBBED OUT FOR PHASE 4.

2. SMH 23 SHALL BE FIBERGLASS LINED.

PHASE 4 NOTES

1. LIFTSTATION #2 AND REMAINING 4" FM SHALL BE INSTALLED.

GENERAL NOTES

1. FORCE MAIN CROSSING UNDER STORM SEWER WILL BE D.I.P. (TYP)

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SCALE: N.T.S

PINELAND SUBDIVISION
ORMOND BEACH FL
OVERALL SANITARY SEWER PLAN

1505-PDU.dwg
PROJECT NO. 1505

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EB-0005290

SHT. C21 OF 45

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NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

GRAPHIC SCALE: 1" = 50'

NOTES:
1. REFER TO DETAIL W-9A ON SHEET C39 FOR PIPE CROSSING DETAIL TO RESOLVE ALL WATERMAIN CONFLICTS.
2. ANY GRAVITY SEWER PIPE OR FORCE MAIN CROSSING WITHIN 18" VERTICALLY OF A STORM SEWER PIPE SHALL REQUIRE A D.I.P. CROSSING.
3. ORMOND BEACH REQUIRES ALL WATERMAINS TO HAVE A MINIMUM OF 36" OVERHEAD COVER, BUT NOT MORE THAN 42" OVERHEAD COVER.
4. PROVIDE A DUAL CHECK BACKFLOW ASSEMBLY AT EACH WATER SERVICE LATERAL.
5. WATER AND RECLAIMED WATER SERVICE LATERALS NEED TO BE INSTALLED WITHIN A MINIMUM SIZE 2" PVC SCH. 40 SLEEVE EXTENDING A MIN. OF 2 FEET BEHIND THE BACK OF THE CURB ON EACH SIDE OF THE ROAD.

LEGEND:

24.44	EXISTING GRADE
25.55	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

SEE SHEET C32 FOR OFFSITE IMPROVEMENTS

SANDOVAL DRIVE
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

NO.	DATE	APPR	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
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PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SANDOVAL DRIVE PLAN & PROFILE #1

1505-P&P1.dwg
PROJECT NO. 1505

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EB-0005290

SHT C22 OF 45

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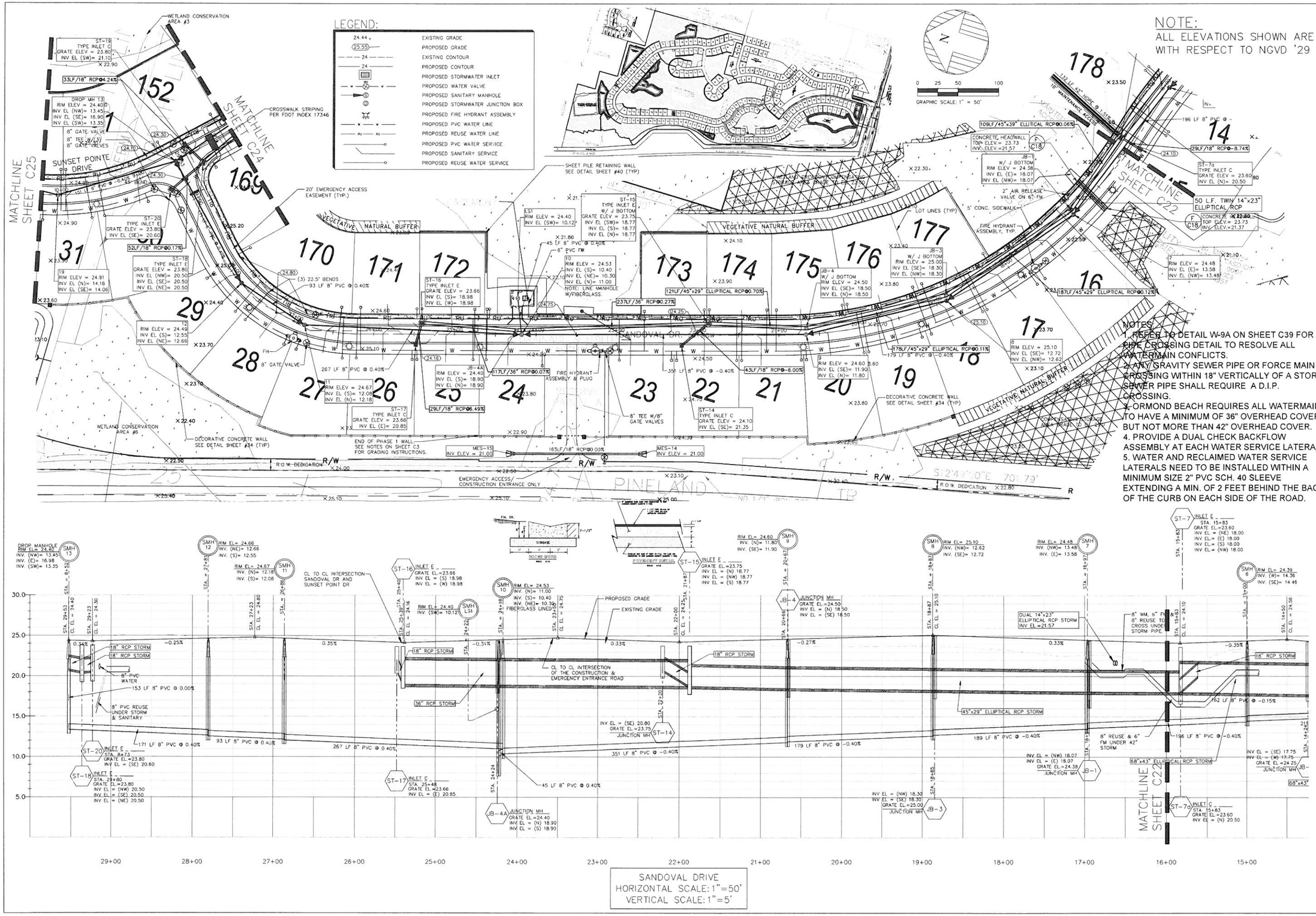

NOTES:

1. REFER TO DETAIL W-9A ON SHEET C39 FOR PIPE CROSSING DETAIL TO RESOLVE ALL WATERMAIN CONFLICTS.
2. ANY GRAVITY SEWER PIPE OR FORCE MAIN CROSSING WITHIN 18" VERTICALLY OF A STORM SEWER PIPE SHALL REQUIRE A D.I.P. CROSSING.
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SANDOVAL DRIVE
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

NO.	DATE	REVISION
1	01-22-16	PAZ REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
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CHECKED: PAZ
DATE: 05/20/2005
PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SANDOVAL DRIVE PLAN & PROFILE #2

1505-P&PJ.dwg
PROJECT NO. 1505

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SHT. C23 OF 45

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NOTE:
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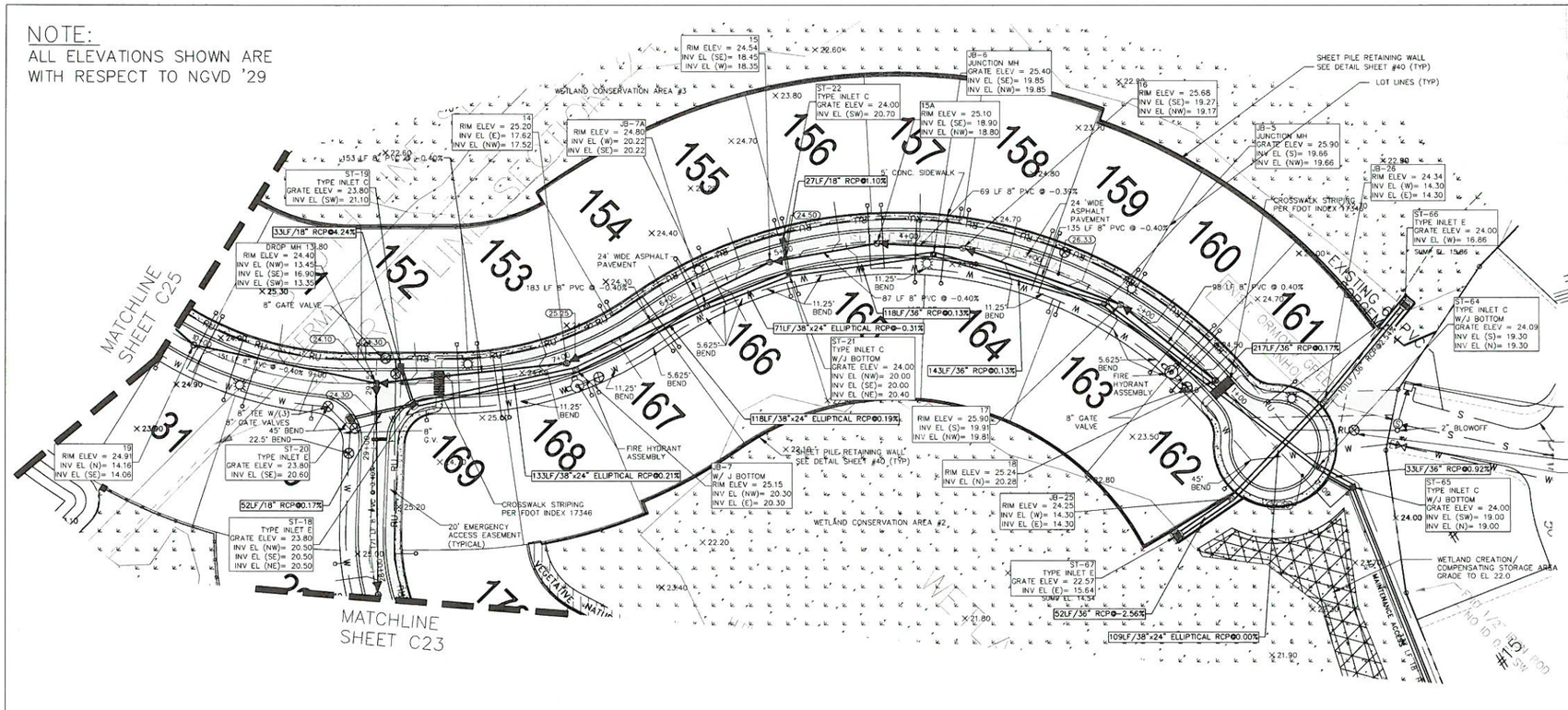

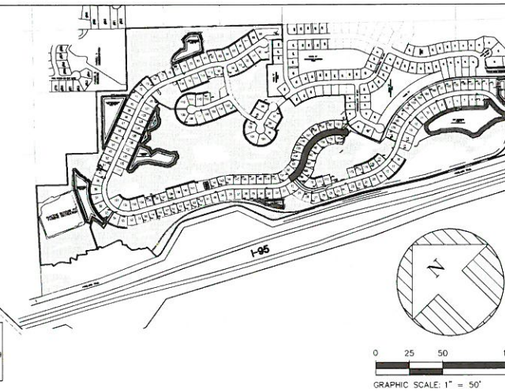

NOTES:
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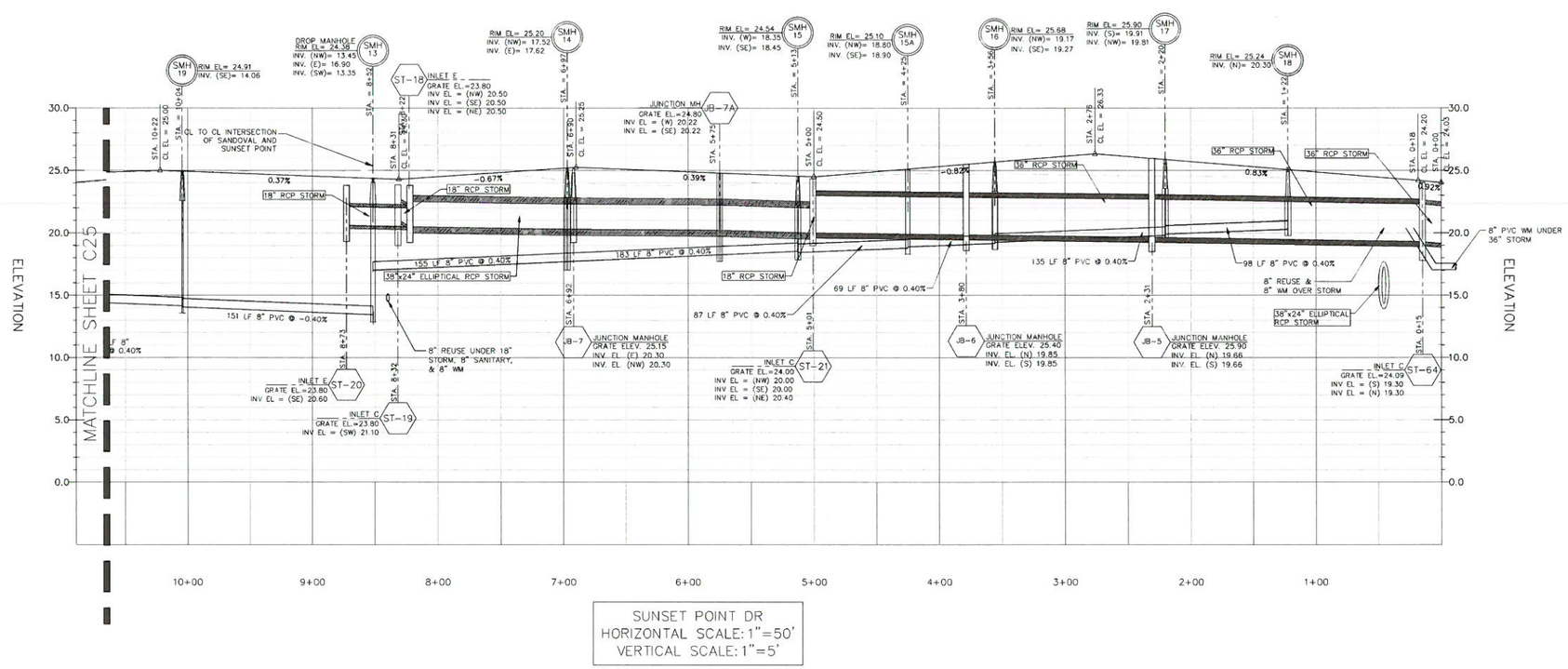
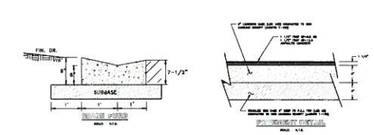


SUNSET POINT DR
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

LEGEND:

24.44	EXISTING GRADE
(25.55)	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE



NO.	DATE	REVISION	APPR.
1	01-22-16	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-26-15	PAZ
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CHECKED: PAZ
DATE: 05/20/2005
PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SUNSET POINT DRIVE PLAN & PROFILE #1

1505-P&PJ.dwg
PROJECT NO. 1505

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NOTES:
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NOTE:
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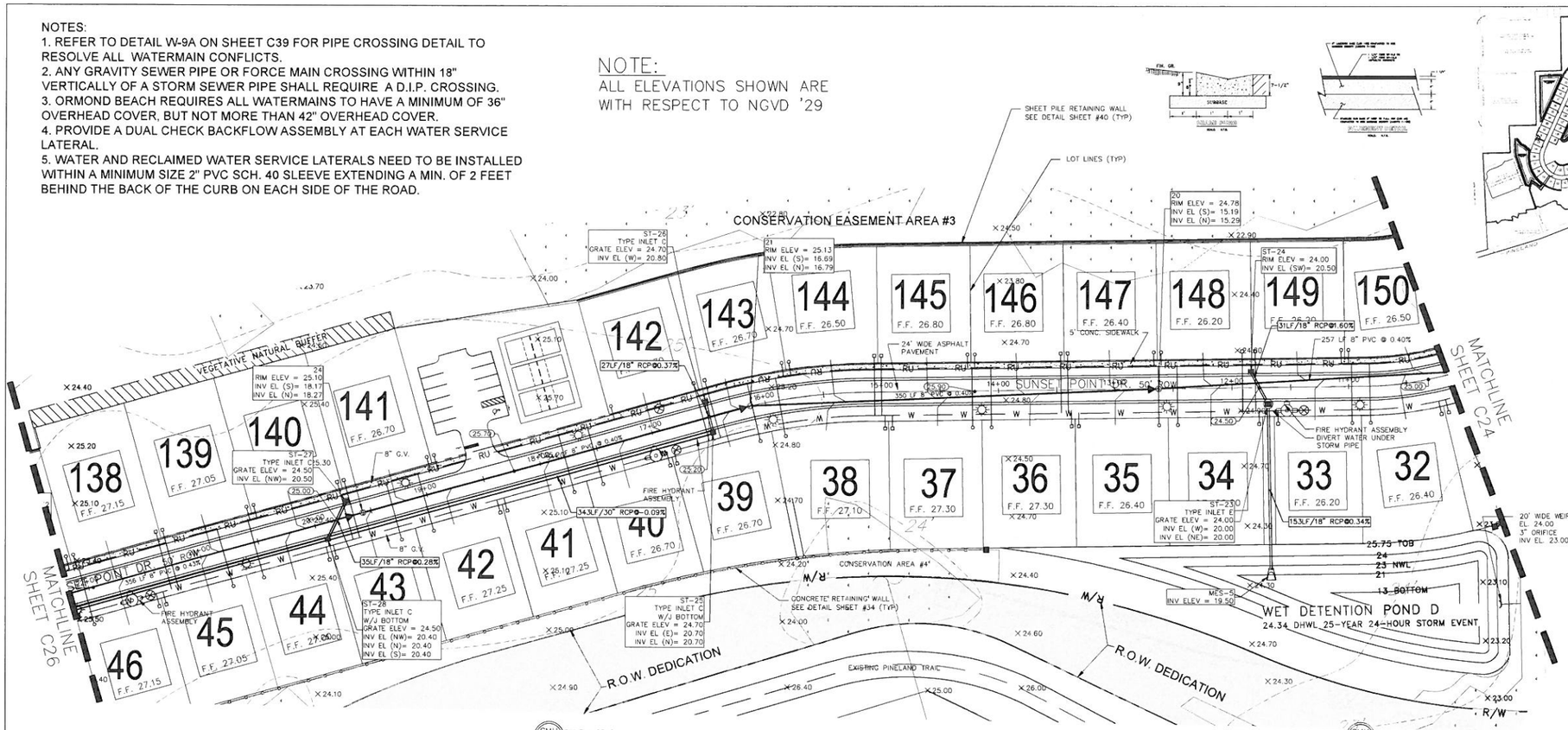

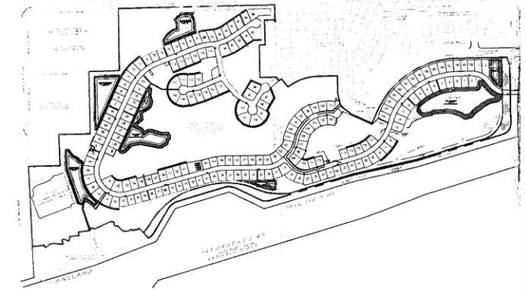

GRAPHIC SCALE: 1" = 50'

LEGEND:

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DATE: 05/20/2005
PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SUNSET POINT DRIVE PLAN & PROFILE #2

1505-P&PJ.dwg
PROJECT NO. 1505

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NOTES:
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2. ANY GRAVITY SEWER PIPE OR FORCE MAIN CROSSING WITHIN 18" VERTICALLY OF A STORM SEWER PIPE SHALL REQUIRE A D.I.P. CROSSING.
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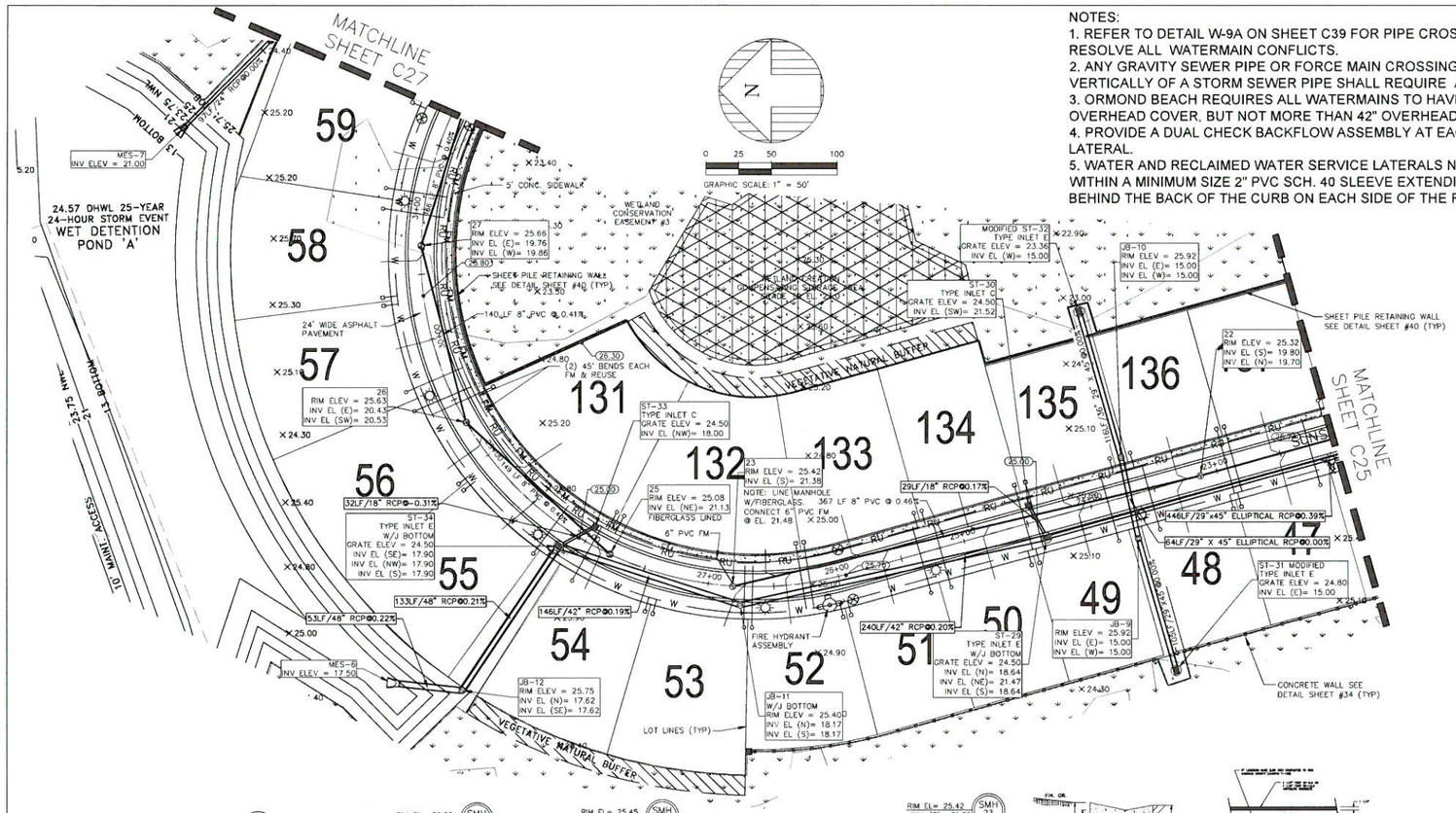

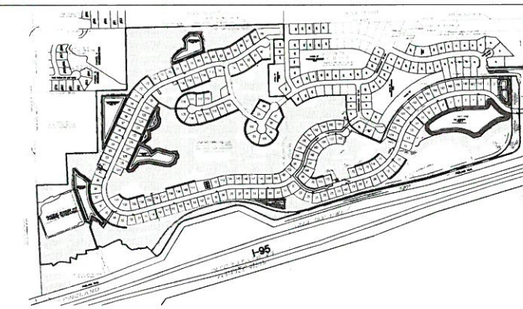

LEGEND:

24.44	EXISTING GRADE
25.55	PROPOSED GRADE
24	EXISTING CONTOUR
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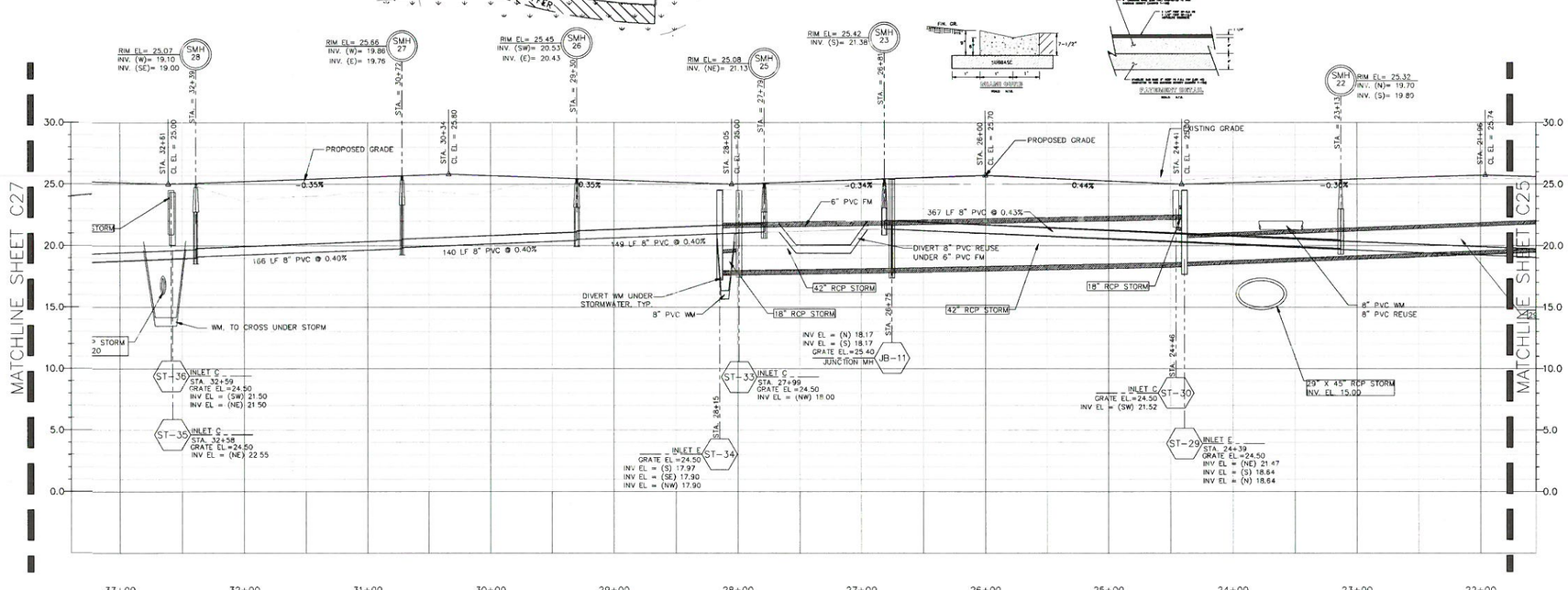
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29



NO.	DATE	APPR.	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
2	03-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-24-16

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DESIGNED: MAM
DRAWN: RJM/KMP
CHECKED: PAZ
DATE: 05/20/2005
PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SUNSET POINT DRIVE PLAN & PROFILE #3

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL EB-0005290

SHT. C26 OF 45

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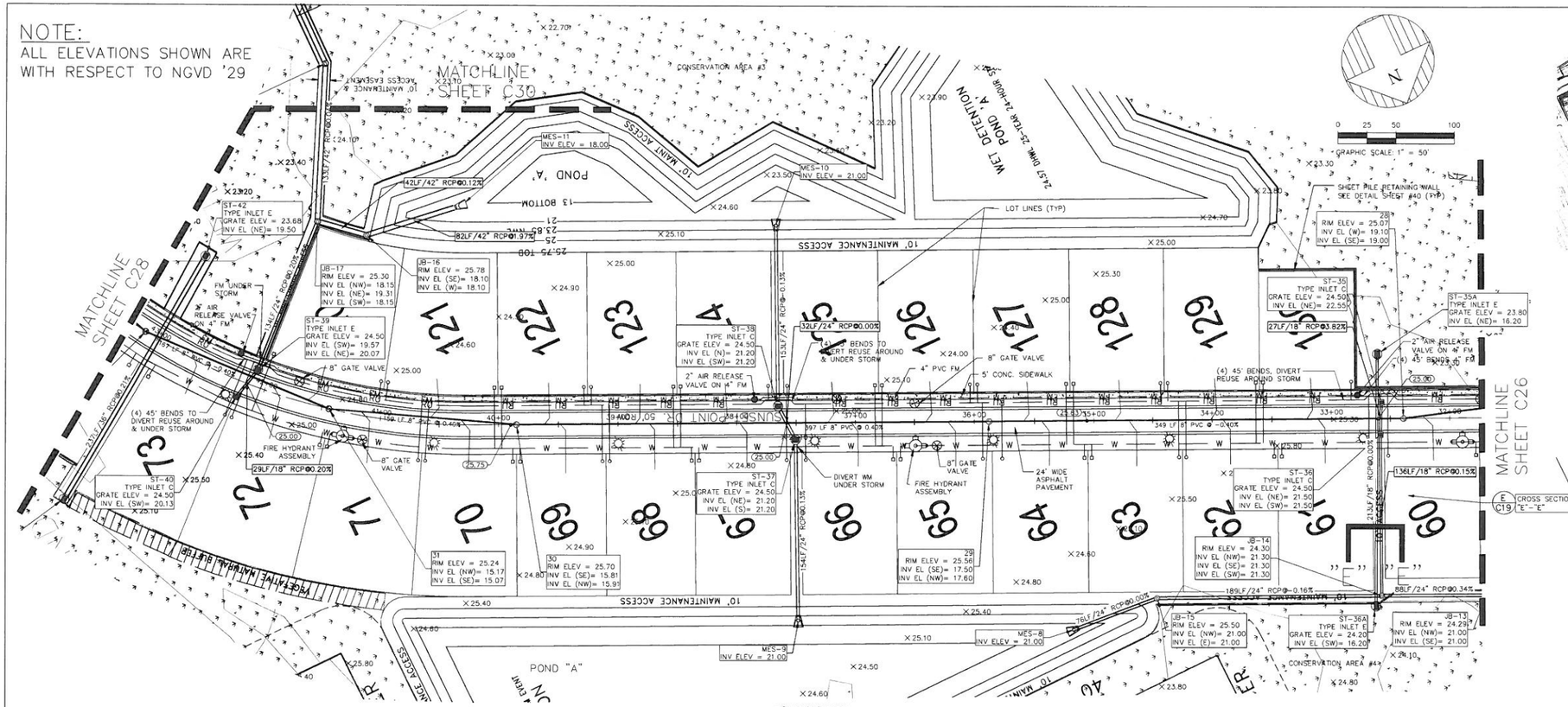
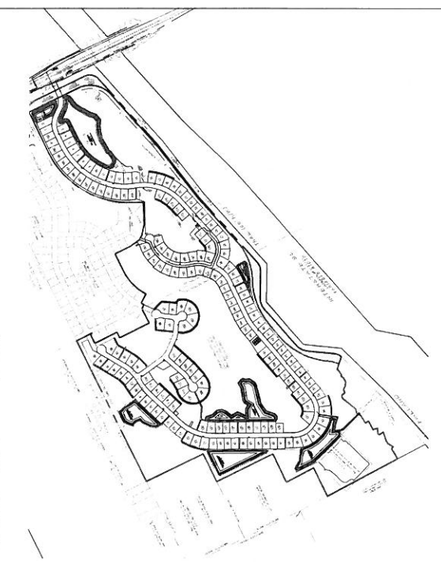
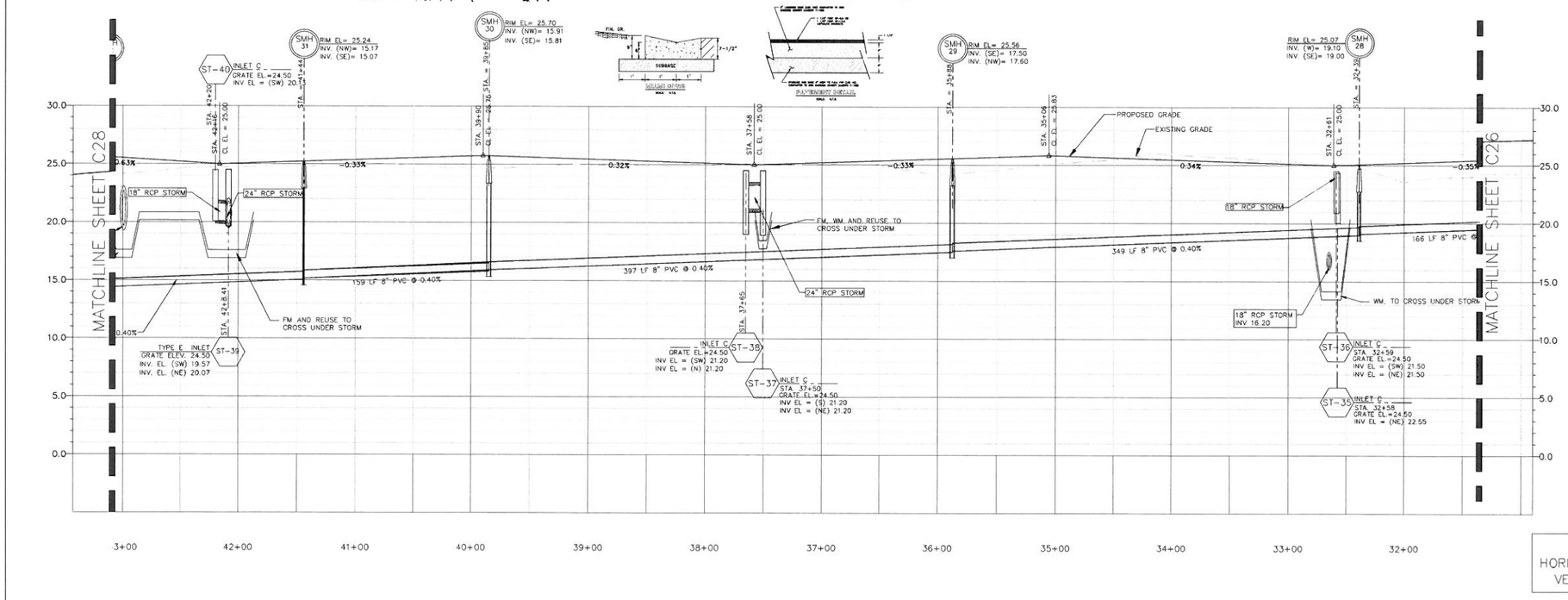
NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29





NOTES:
1. REFER TO DETAIL W-9A ON SHEET C39 FOR PIPE CROSSING DETAIL TO RESOLVE ALL WATERMAIN CONFLICTS.
2. ANY GRAVITY SEWER PIPE OR FORCE MAIN CROSSING WITHIN 18" VERTICALLY OF A STORM SEWER PIPE SHALL REQUIRE A D.I.P. CROSSING.
3. ORMOND BEACH REQUIRES ALL WATERMAINS TO HAVE A MINIMUM OF 36" OVERHEAD COVER, BUT NOT MORE THAN 42" OVERHEAD COVER.
4. PROVIDE A DUAL CHECK BACKFLOW ASSEMBLY AT EACH WATER SERVICE LATERAL.
5. WATER AND RECLAIMED WATER SERVICE LATERALS NEED TO BE INSTALLED WITHIN A MINIMUM SIZE 2" PVC SCH. 40 SLEEVE EXTENDING A MIN. OF 2 FEET BEHIND THE BACK OF THE CURB ON EACH SIDE OF THE ROAD.



LEGEND:

24.44	EXISTING GRADE
25.55	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

SUNSET POINT DR
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

NO.	DATE	APPR.	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
2	03-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-24-16

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DESIGNED: MMM
DRAWN: RJM/KMP
CHECKED: PAZ
DATE: 05/20/2005
PLOTTED: 05/05/16
SCALE: 1"=50'

PINELAND SUBDIVISION
ORMOND BEACH FL
SUNSET POINT DRIVE PLAN & PROFILE #4

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL
EB-0005290

SHT. C27 OF 45

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NOTES:
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6. CONTRACTOR TO ADD 12" STABILIZED SUBGRADE TO 40 LBR AND COMPACTED TO 98% AASHTO T-180 MIN. IN THE STABILIZED EMERGENCY ACCESS AREA WITH A MAX. 6:1 SIDE SLOPES TO MEET EXISTING GRADE, BAHIA SOD ALL DISTURBED AREAS.

NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

LEGEND:

24.44	EXISTING GRADE
(25.55)	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

NO	DATE	REVISION	APPR
1	01-22-16	PAZ REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15	
2	03-29-16	PAZ REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-24-16	

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DATE: 05/20/2005	DESIGNED: MMM
PLOTTED: 05/05/16	DRAWN: RJM/KMP
SCALE: 1"=50'	CHECKED: PAZ

PINELAND SUBDIVISION
ORMOND BEACH FL
SUNSET POINT DRIVE PLAN & PROFILE #5

1505-P&Pj.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL EB-0005290

SHT C28 OF 45

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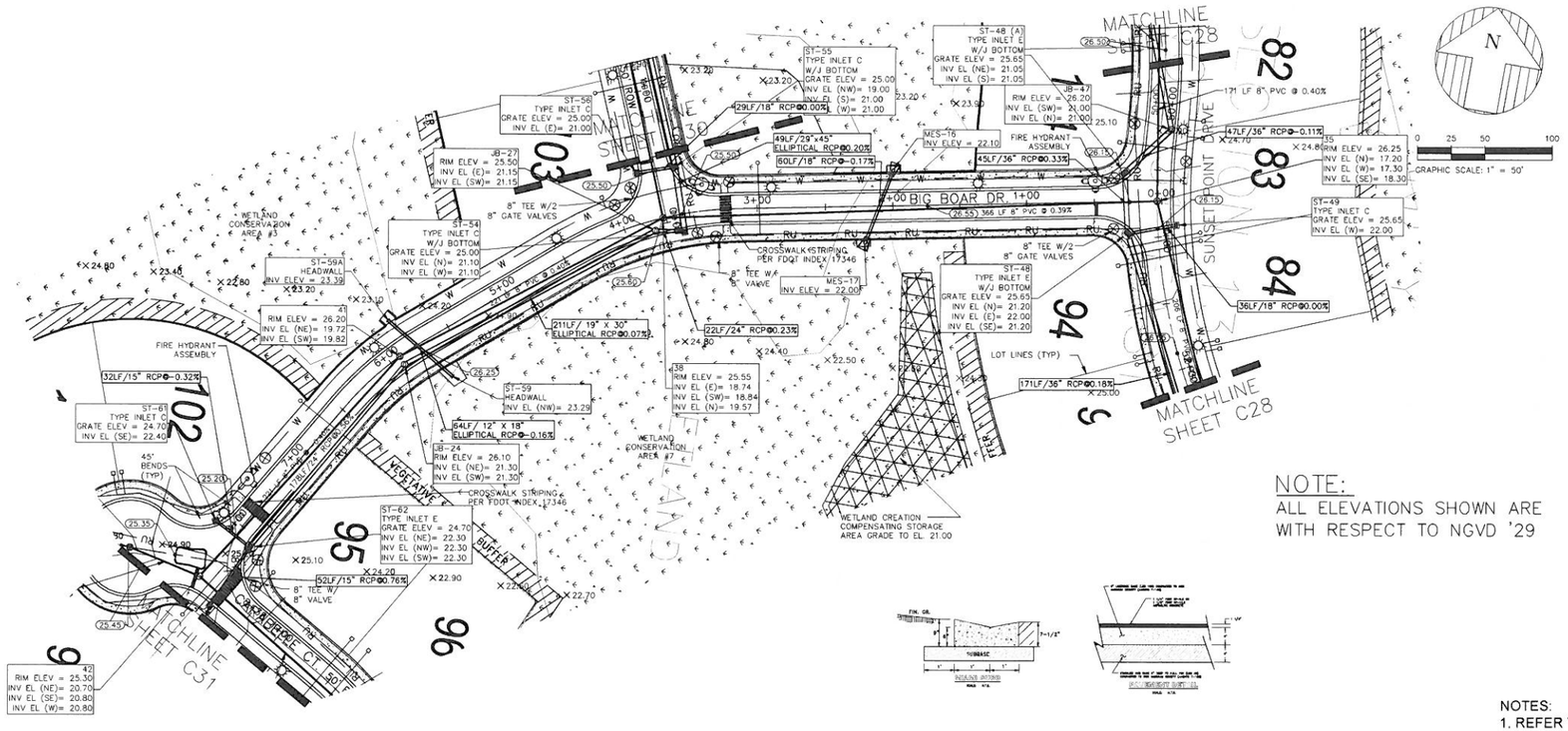
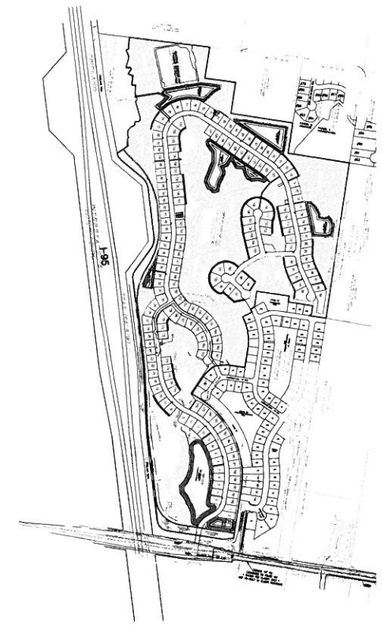


NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29



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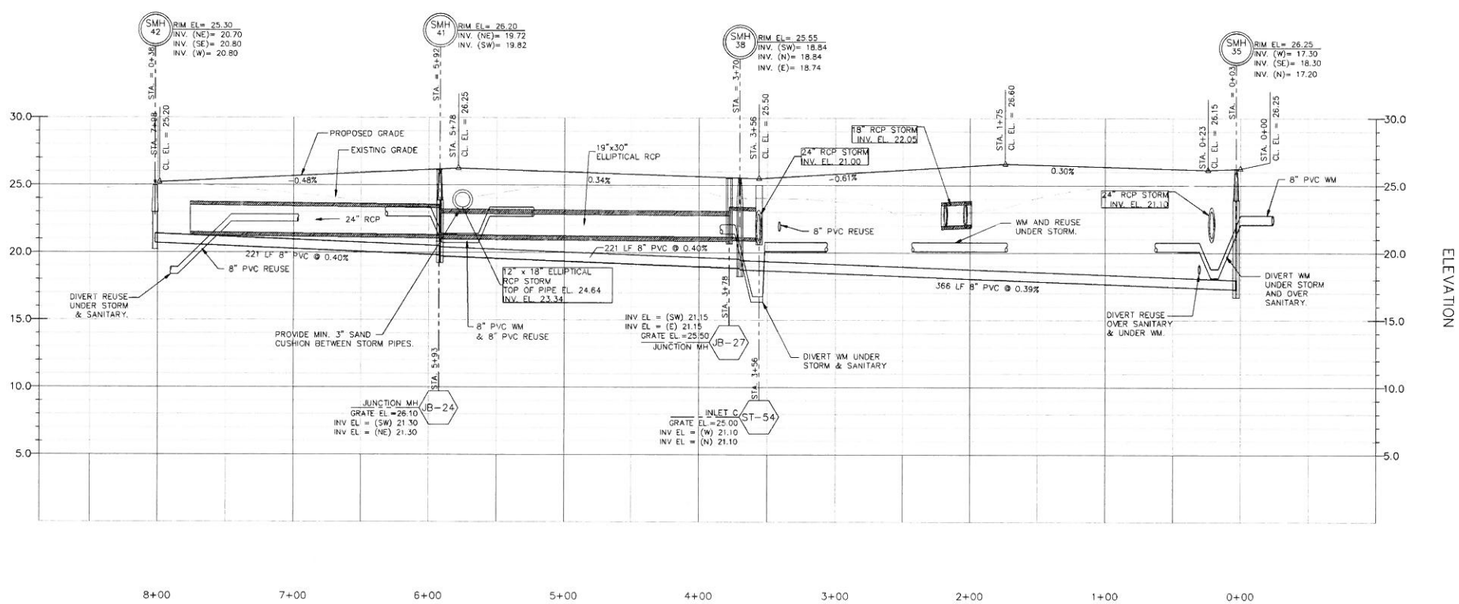

BIG BOAR DR
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

LEGEND:

24.44	EXISTING GRADE
25.55	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
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	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

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ZAHN ENGINEERING, INC.
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FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DATE: 05/20/2005 DESIGNED: MMM
PLOTTED: 05/05/16 DRAWN: RJM/KMP
SCALE: 1"=50' CHECKED: PAZ

PINELAND SUBDIVISION
ORMOND BEACH FL
BIG BOAR DRIVE PLAN & PROFILE

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL
EB-0005290

SHT. C29 OF 45

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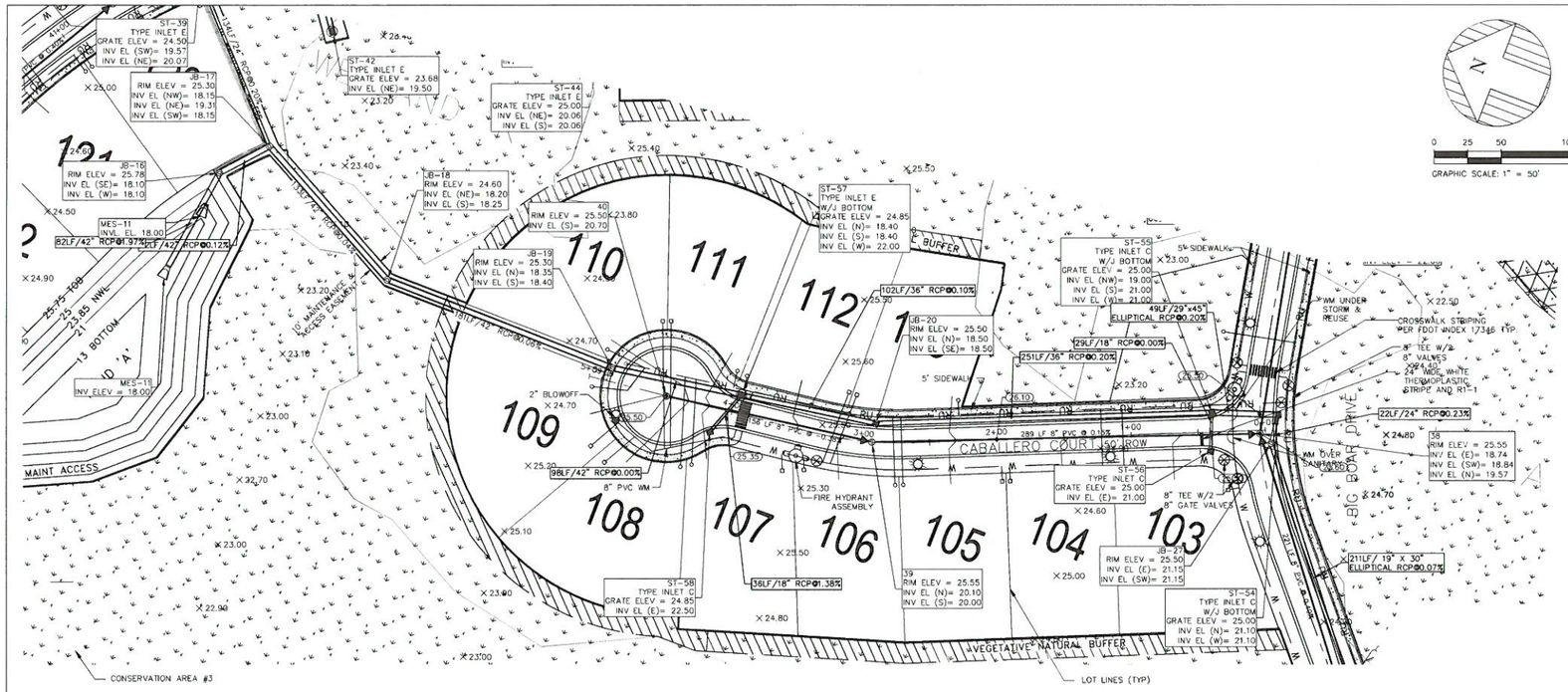
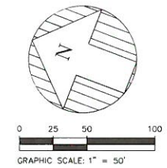
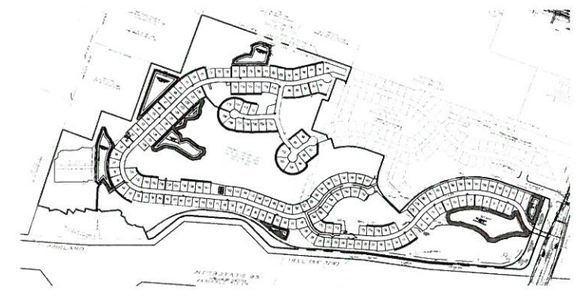
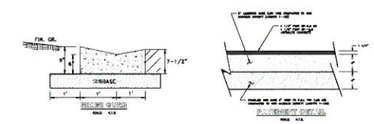
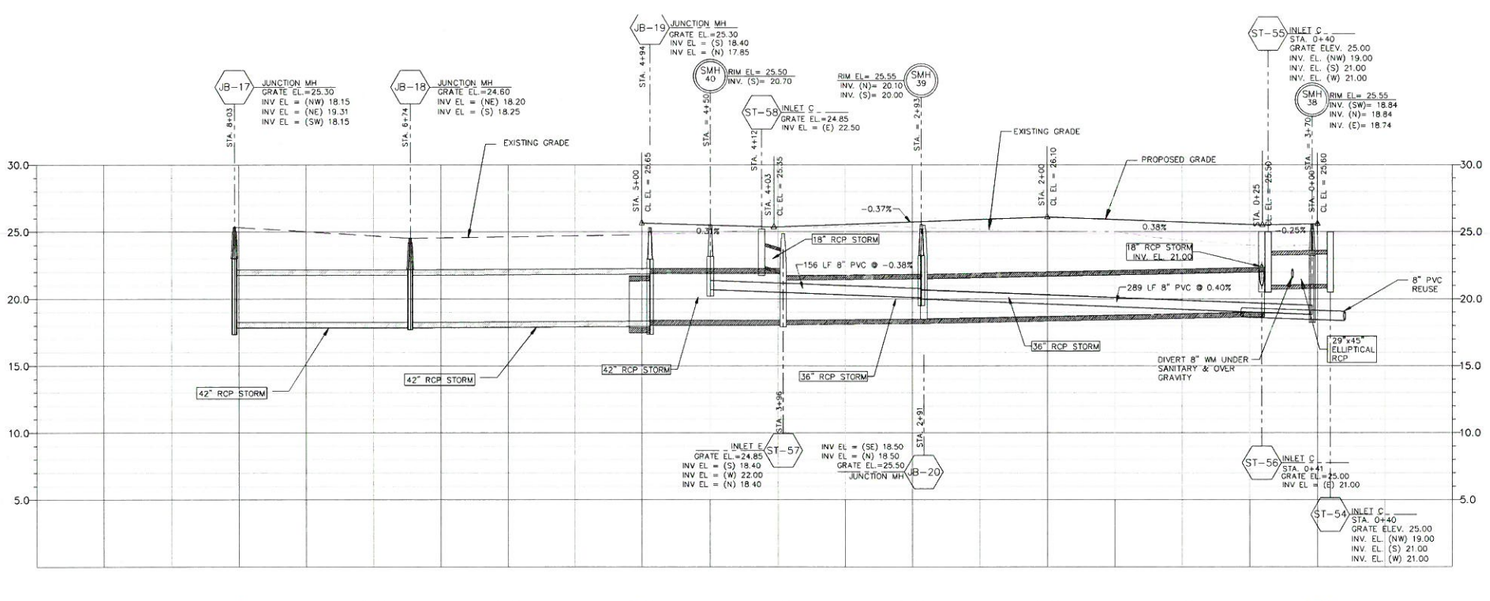


NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29









ELEVATION

CABALLERO CT
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

LEGEND:

24.44	EXISTING GRADE
(25.55)	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED PVC WATER LINE
	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
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ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DATE: 05/20/2005 DESIGNED: MMM
PLOTTED: 05/05/16 DRAWN: RJM/KMP
SCALE: 1"=50' CHECKED: PAZ

PINELAND SUBDIVISION
ORMOND BEACH FL
CABALLERO COURT PLAN & PROFILE

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL EB-0005290

SHT. C30 OF 45

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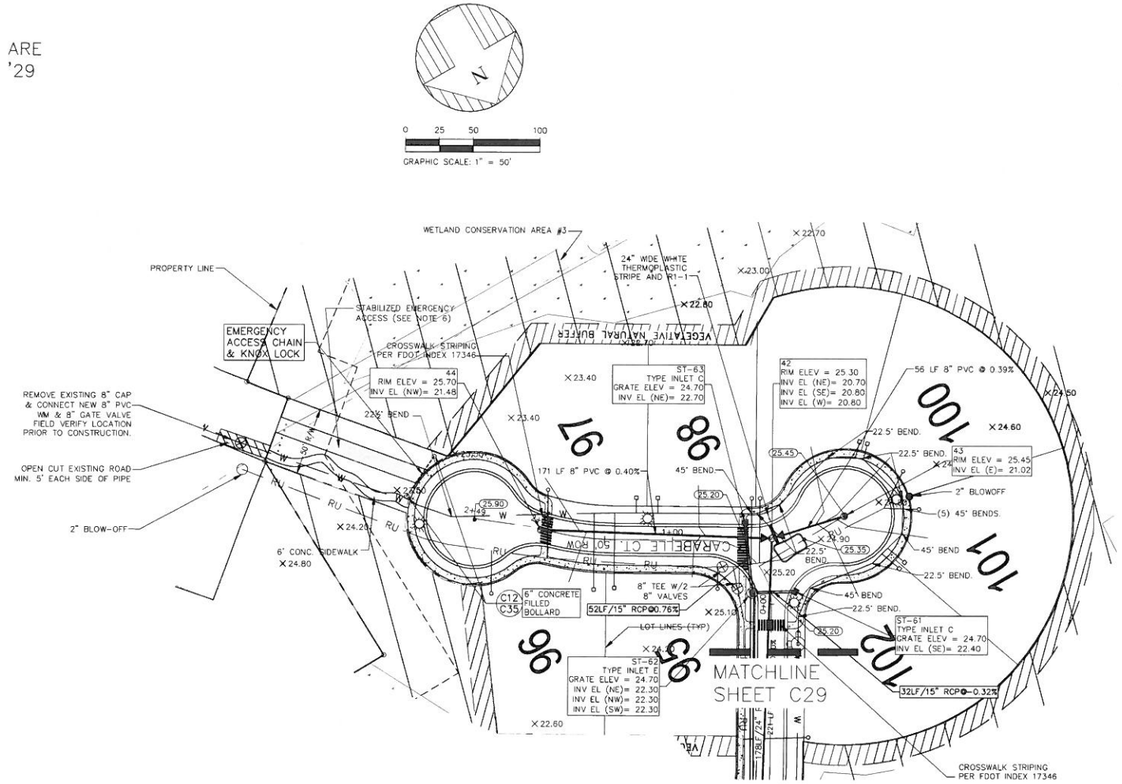
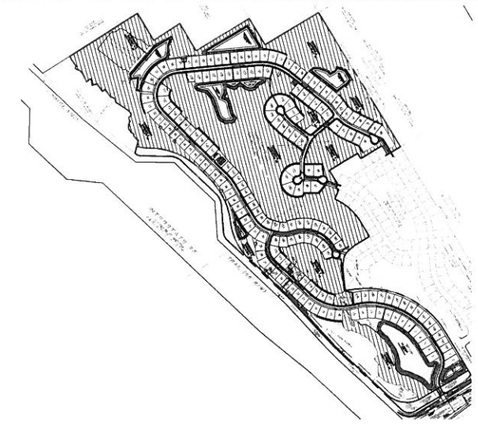
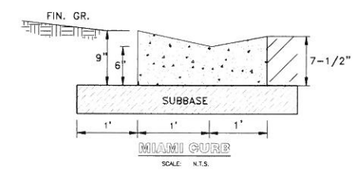
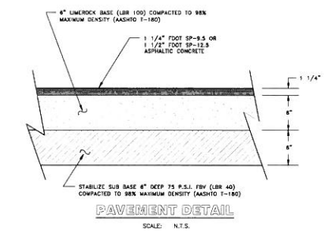
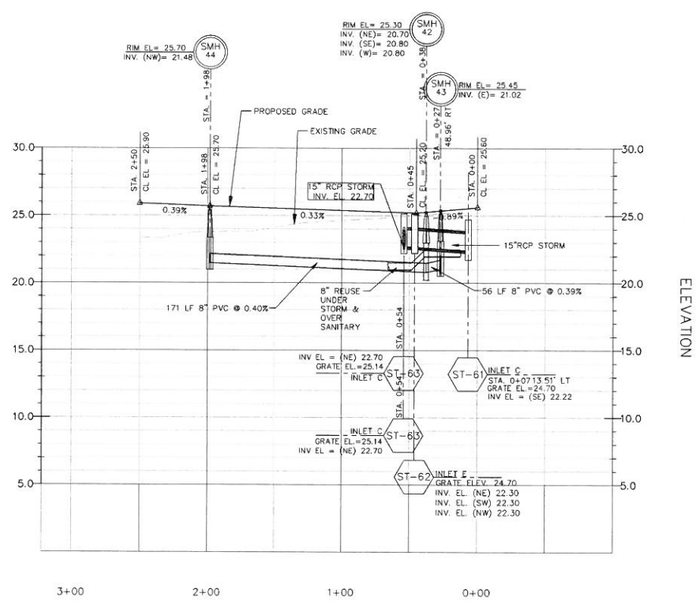
NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29











CARABELLE CT
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=5'

LEGEND:

24.44 +	EXISTING GRADE
(25.55)	PROPOSED GRADE
24	EXISTING CONTOUR
24	PROPOSED CONTOUR
	PROPOSED STORMWATER INLET
	PROPOSED WATER VALVE
	PROPOSED SANITARY MANHOLE
	PROPOSED STORMWATER JUNCTION BOX
	PROPOSED FIRE HYDRANT ASSEMBLY
W	PROPOSED PVC WATER LINE
RU	PROPOSED REUSE WATER LINE
	PROPOSED PVC WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED REUSE WATER SERVICE

NOTES:
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6. CONTRACTOR TO ADD 12" STABILIZED SUBGRADE TO 40 LBR AND COMPACTED TO 98% AASHTO T-180 MIN. IN THE STABILIZED EMERGENCY ACCESS AREA WITH A MAX. 6:1 SIDE SLOPES TO MEET EXISTING GRADE. BAHIA SOD ALL DISTURBED AREAS.

NO.	DATE	APPR.	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
2	02-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-24-16

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DESIGNED: MAM
DRAWN: RJM/KMP
CHECKED: PAZ
DATE: 05/20/2005
PLOTTED: 05/04/16
SCALE AS NOTED

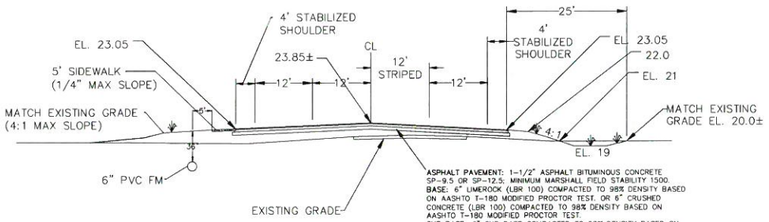
PINELAND SUBDIVISION
ORMOND BEACH FL
CARABELLE COURT PLAN & PROFILE

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL EB-0005290

SHT. C31 OF 45

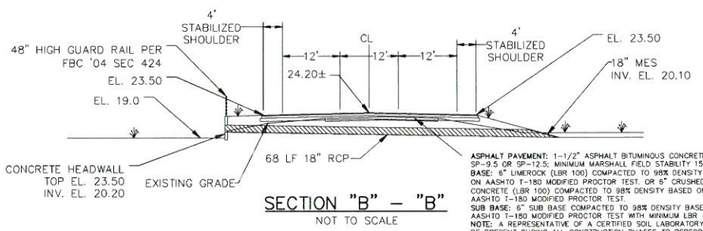
Z:\Data\Projects_ZEI-PROJECTS\2015\1505 Pineland\dwg\Revised per city comments 2-24-16\1505-P&PJ.dwg, 5/4/2016 4:35:07 PM, DWG To PDF.pc3



ASPHALT PAVEMENT: 1-1/2" ASPHALT BITUMINOUS CONCRETE SP-9.5 OR SP-12.5; MINIMUM MARSHALL FIELD STABILITY 1500.
BASE: 6" LIMEROCK (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST. OR 6" CRUSHED CONCRETE (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
SUB BASE: 6" SUB BASE COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST WITH MINIMUM LBR 40.
NOTE: A REPRESENTATIVE OF A CERTIFIED SOIL LABORATORY SHALL BE PRESENT DURING ALL CONSTRUCTION PHASES TO PERFORM ROADWAY COMPACTION AND DENSITY TESTING AS REQUIRED - SEE INDEX R-6(A/B).

SECTION "A" - "A"

NOT TO SCALE



ASPHALT PAVEMENT: 1-1/2" ASPHALT BITUMINOUS CONCRETE SP-9.5 OR SP-12.5; MINIMUM MARSHALL FIELD STABILITY 1500.
BASE: 6" LIMEROCK (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST. OR 6" CRUSHED CONCRETE (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
SUB BASE: 6" SUB BASE COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST WITH MINIMUM LBR 40.
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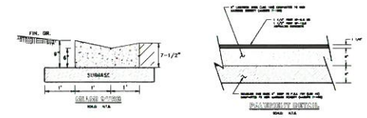
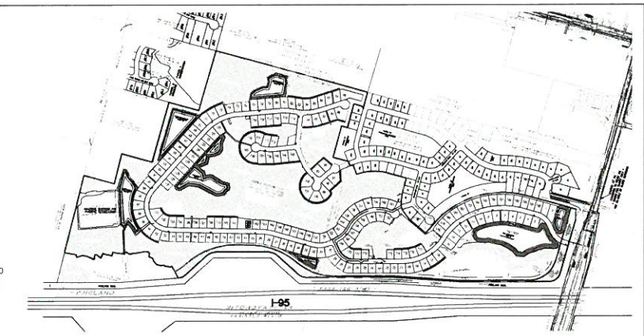
SECTION "B" - "B"

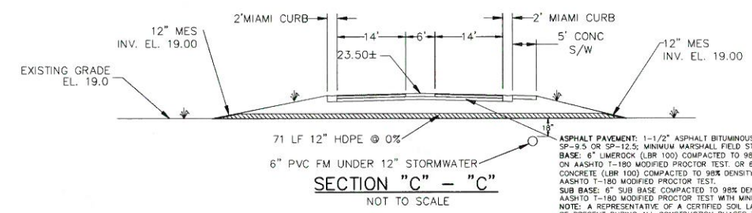
NOT TO SCALE



NOTE:
ALL ELEVATIONS SHOWN ARE WITH RESPECT TO NGVD '29

0 20 40 80
GRAPHIC SCALE: 1" = 40'

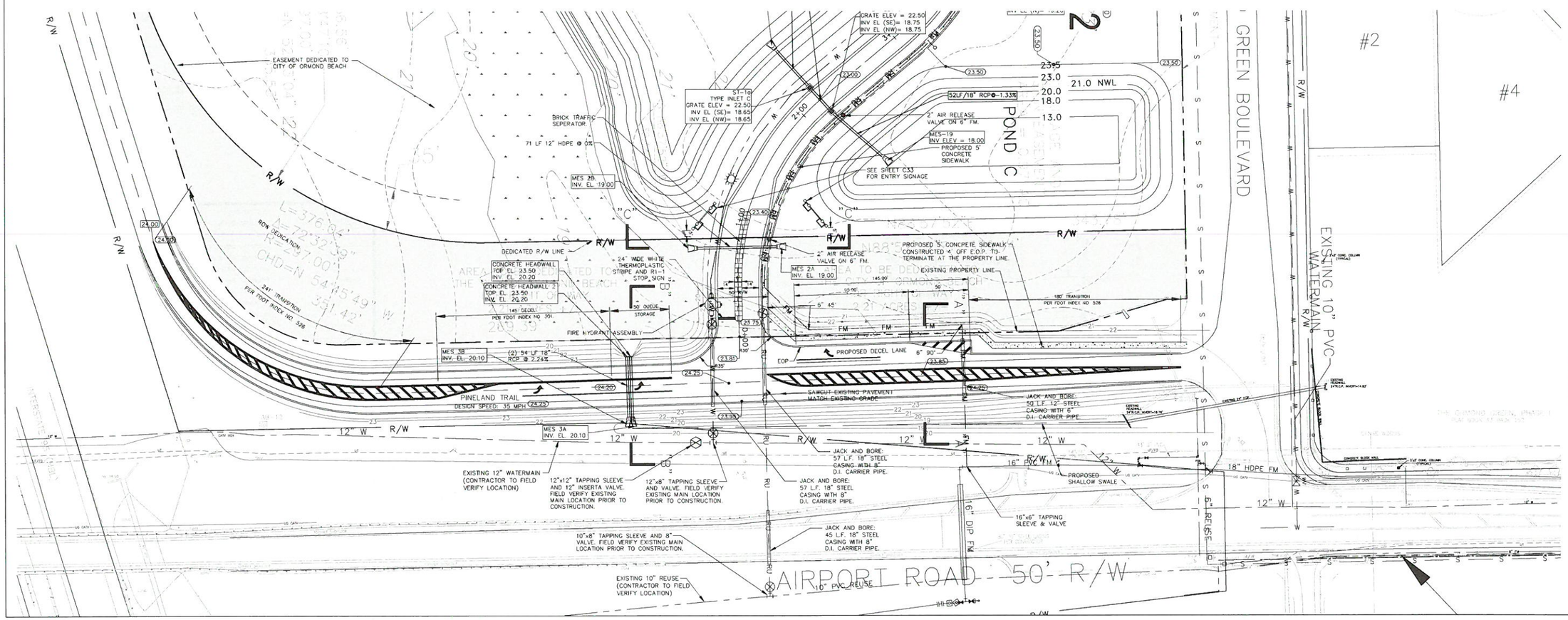




ASPHALT PAVEMENT: 1-1/2" ASPHALT BITUMINOUS CONCRETE SP-9.5 OR SP-12.5; MINIMUM MARSHALL FIELD STABILITY 1500.
BASE: 6" LIMEROCK (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST. OR 6" CRUSHED CONCRETE (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
SUB BASE: 6" SUB BASE COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST WITH MINIMUM LBR 40.
NOTE: A REPRESENTATIVE OF A CERTIFIED SOIL LABORATORY SHALL BE PRESENT DURING ALL CONSTRUCTION PHASES TO PERFORM ROADWAY COMPACTION AND DENSITY TESTING AS REQUIRED - SEE INDEX R-6(A/B).

SECTION "C" - "C"

NOT TO SCALE



NO.	DATE	APPR.	REVISION
1	01-22-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 4-28-15
2	03-29-16	PAZ	REVISED PER THE CITY OF ORMOND BEACH SPRC COMMENTS DATED 2-24-16

ZAHN ENGINEERING, INC.
244 SOUTH PALMETTO AVENUE DAYTONA BEACH, FLORIDA 32114
FAX: (386) 252-6050 PHONE: (386) 252-0020 ZAHNENG.COM

DATE: 05/20/2005 DESIGNED: MMM
PLOTTED: 05/05/16 DRAWN: RJM/KMP
SCALE: AS NOTED CHECKED: PAZ

PINELAND SUBDIVISION
ORMOND BEACH FL
OFFSITE TURN LANE

1505-P&PJ.dwg
PROJECT NO. 1505

NOT VALID WITHOUT EMBOSSED SEAL EB-0005290

SHT. C32 OF 45

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