

MOSS POINT SUBDIVISION ENTRY WALL IMPROVEMENTS ORMOND BEACH, FLORIDA



**ORMOND BEACH
SITE PLAN REVIEW COMMITTEE**

FINAL APPROVAL

Steve Spitzer 04/20/2015
Date

GENERAL INFORMATION:

PROJECT NAME:
MOSS POINT SUBDIVISION
ENTRY WALL IMPROVEMENTS
ORMOND BEACH, FLORIDA 32174

OWNER:
MOSS POINT HOMEOWNERS ASSOCIATION
ATTN: MRS. CHERYL DIETZ
10 MOSS POINT DRIVE
ORMOND BEACH, FLORIDA 32174
(720)-548-0079

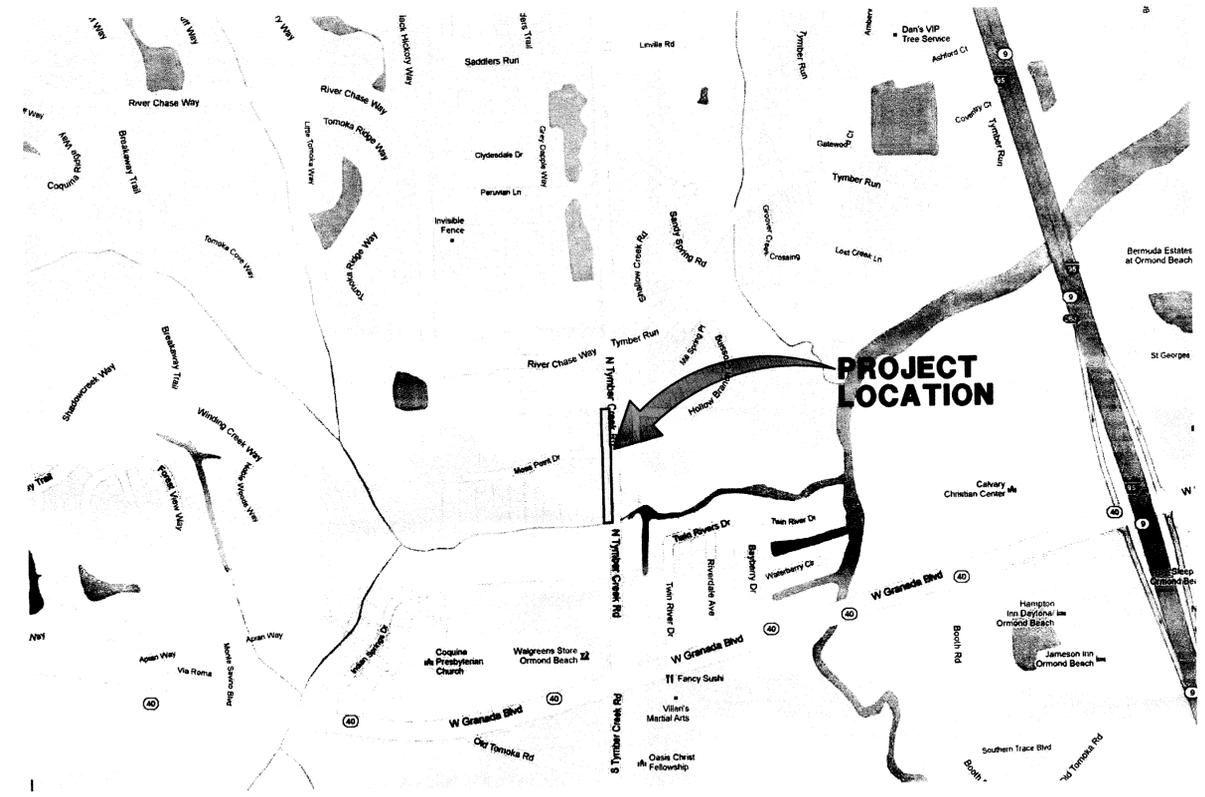
ENGINEER/LANDSCAPE ARCHITECT
PARKER MYNCHENBERG & ASSOCIATES, INC.
PARKER MYNCHENBERG P.E. #32645
PARKER MYNCHENBERG L.A. #1553
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910
1729 RIDGEWOOD AVENUE
HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114
EMAILS: info@parkermynchenberg.com
sbuswell@parkermynchenberg.com

SURVEYOR
ATS LAND SURVEYING, LLC
P.O. BOX 353714
PALM COAST FLORIDA
(386) 264-8490 FAX (386) 845-9216

LEGAL DESCRIPTIONS
LOT 1 OF MOSS POINT AS RECORDED IN PLAT BOOK 42, PAGES 99 AND 100 OF THE VOLUSIA COUNTY OFFICIAL RECORDS. (O.R.B. 6461, PG 724)
AND
LOT 19 OF MOSS POINT AS RECORDED IN PLAT BOOK 42, PAGES 99 AND 100 OF THE VOLUSIA COUNTY OFFICIAL RECORDS. (O.R.B. 4130, PG 3624)

STATEMENT OF INTENT
RECONSTRUCT PORTION OF ENTRY WALL, & LANDSCAPING WITHIN PUBLIC RIGHT-OF-WAY AND 1 & 2 MOSS POINT DRIVE.

SPECIFIC NOTES:
1. A SEPARATE SIGN PERMIT SHALL BE REQUIRED.

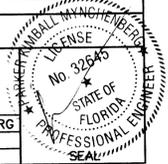


VICINITY MAP

INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2-4	BOUNDARY, TOPOGRAPHIC AND TREE SURVEY
5	SITE/LANDSCAPE PLAN
6	ENTRY WALL LANDSCAPE PLAN
7	LANDSCAPE DETAILS
8	IRRIGATION DETAILS
9	PAVING & DRAINAGE DETAILS

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114
E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER 00003910

NO.	DATE	REVISIONS	DESCRIPTION	SWB BY
1	4-13-15	REVISED PER CITY AND COUNTY COMMENTS		
COVER SHEET				
MOSS POINT SUBDIVISION ENTRY WALL IMPROVEMENTS ORMOND BEACH * FLORIDA				
FILE NO.	12-12CS.DWG	DESIGNER:	P.MYNCHENBERG	
DATE:	11-15-12	DRAFTSMAN:	DE CILLA	
SCALE:	NOT TO SCALE	SHEET	1 OF 9	

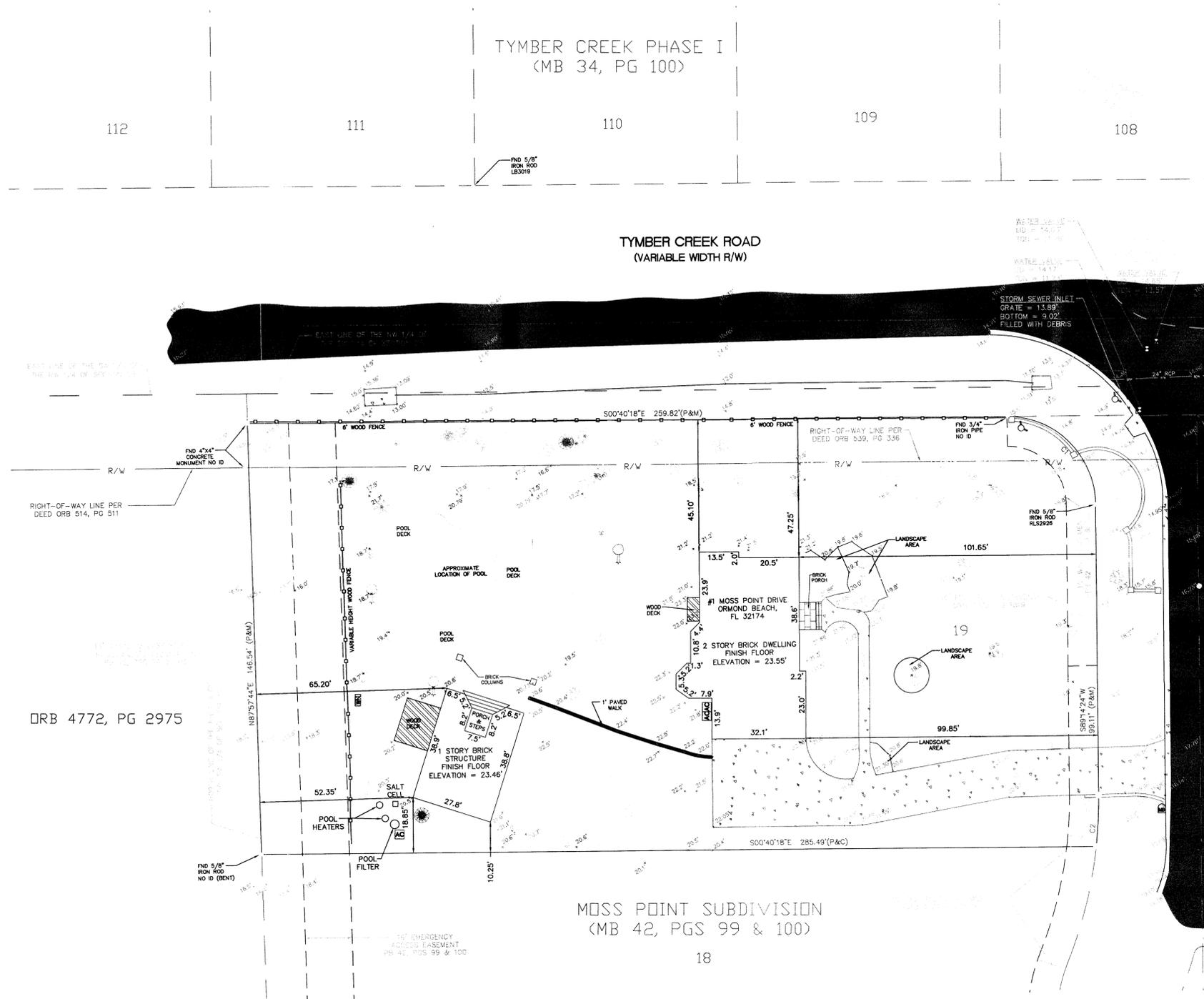
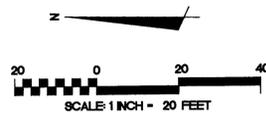


F:\WORK\MOSS POINT\12-12CS.dwg 4/13/2015 10:02:01 PM DWG To PDF.pc3 24x36 1:1

BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY

PART OF MOSS POINT SUBDIVISION
SECTION 25, TOWNSHIP 14 SOUTH, RANGE 31 EAST
ORMOND BEACH, VOLUSIA COUNTY, FLORIDA

SEE SHEET 1 FOR SURVEY NOTES, SYMBOL LEGEND,
LINE TYPE LEGEND AND ABBREVIATIONS



CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD
C1	30.00'	47.08'	89°54'42"	N44°17'03"E	42.39'
C2	150.00'	17.47'	6°40'27"	S87°25'25"E	17.46'

NOTE: SEE SHEET 1 FOR DETAILED BOUNDARY INFORMATION.

DRB 4772, PG 2975

MOSS POINT SUBDIVISION
(MB 42, PGS 99 & 100)

18

DATE	REVISION	BY

ATS Land Surveying, LLC
P.O. BOX 35374
PALM COAST, FL 32135
Phone: 386.264.8480 Fax: 386.845.9216
L977900

I HEREBY CERTIFY THAT THIS SURVEY OF THE SUBJECT PROPERTY IS CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, AS SURVEYED IN THE FIELD UNDER MY SUPERVISION AS SHOWN HEREON. I FURTHER CERTIFY THAT THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH IN THE FLORIDA ADMINISTRATIVE CODE CHAPTER 5J-17, ADOPTED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO FLORIDA STATUTES SECTION 472.027, BEING SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

[SEAL]

SIGNED _____
ROB DURANCZYK PSM #6657
DATE MAY 21, 2012

BOUNDARY AND TOPOGRAPHIC SURVEY
FOR
MOSS POINT HOME OWNERS ASSOCIATION
12 MOSS POINT DRIVE
ORMOND BEACH, FL 32174

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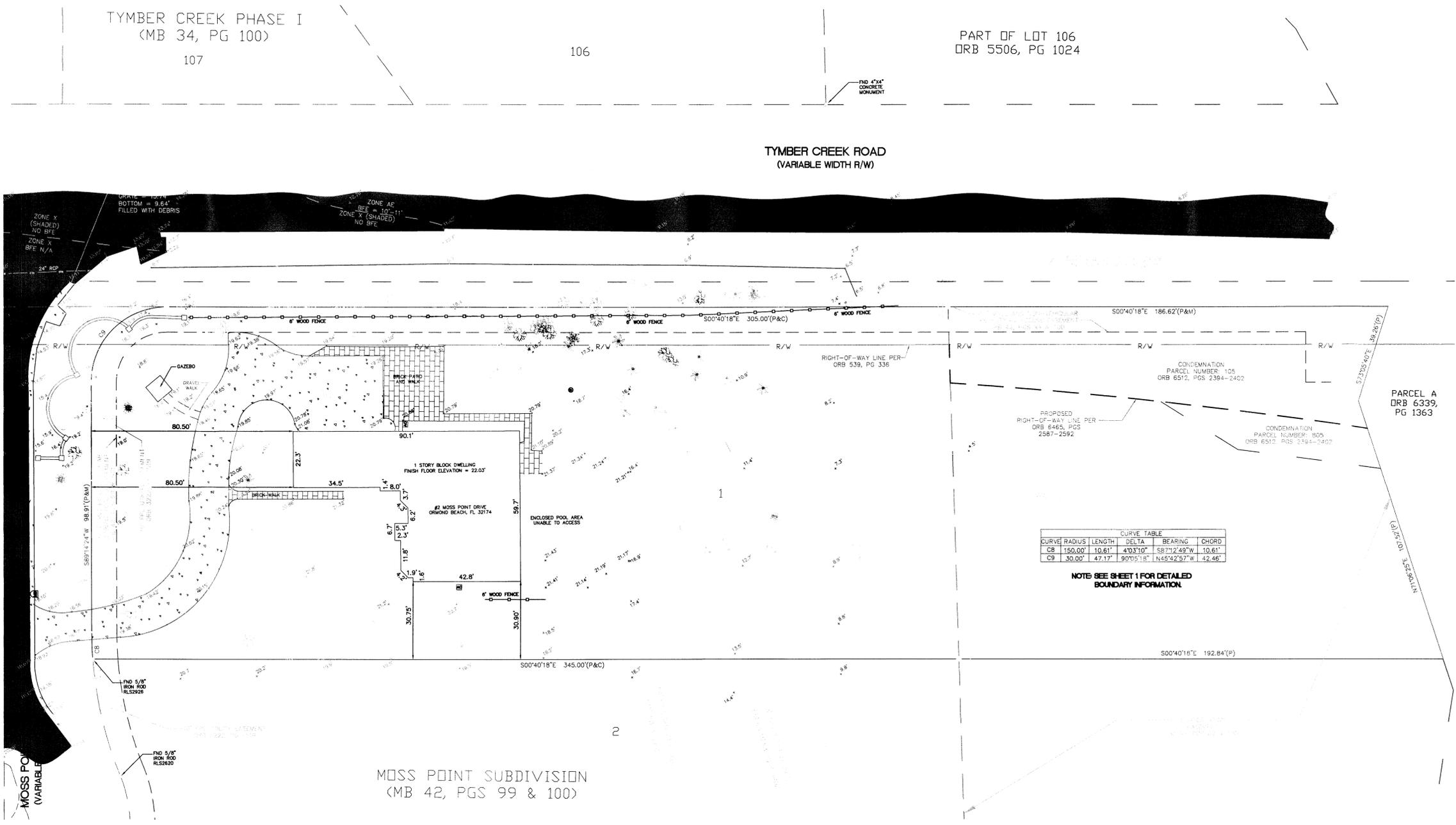
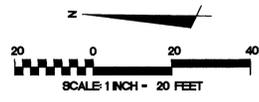
ATS NO. 2012-MPA-0001
DRAWN JJJ
CHECKED RD
SHEET NO 2 OF 3
FILE LOCATION F:\LAND PROJECTS 2007\LAND SURVEY PROJECTS 2012\2012-MPA-0001\MOSS POINT SUBDIVISION_PFA.dwg
2012-MPA-0001-BNDRY_TOPO.dwg



BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY

PART OF MOSS POINT SUBDIVISION
SECTION 25, TOWNSHIP 14 SOUTH, RANGE 31 EAST
ORMOND BEACH, VOLUSIA COUNTY, FLORIDA

SEE SHEET 1 FOR SURVEY NOTES, SYMBOL LEGEND,
LINE TYPE LEGEND AND ABBREVIATIONS



DATE	REVISION	BY

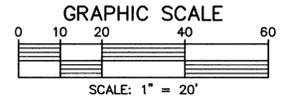
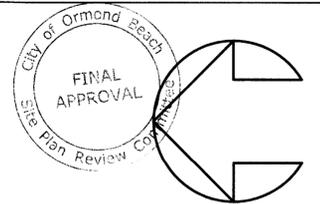
ATS Land Surveying, LLC
P.O. BOX 353714
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Phone: 386.264.8490 Fax: 386.845.9216
L897900

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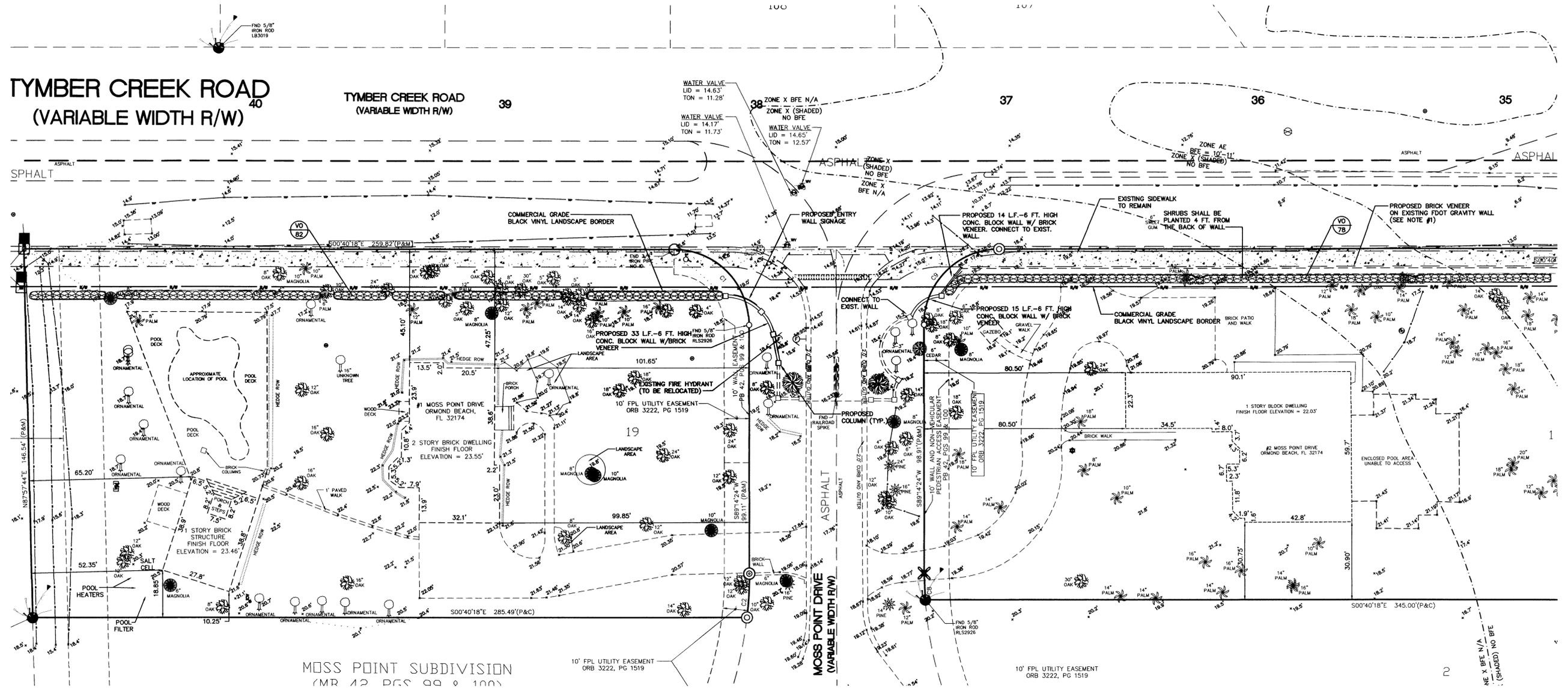
SIGNED: ROB DURANCZYK PSM#6657
DATE: MAY 21, 2012

BOUNDARY AND TOPOGRAPHIC SURVEY
FOR
MOSS POINT HOME OWNERS ASSOCIATION
12 MOSS POINT DRIVE
ORMOND BEACH, FL 32174

ATS NO. 2012-MPA-0001
DRAWN: JJW
CHECKED: RD
SHEET NO. 3 OF 3
FILE LOCATION: F:\LAND PROJECTS 2007\SURVEY PROJECTS 2012\2012-MPA-0001\MOSS POINT SUBDIVISION_PRA.dwg
2012-MPA-0001-BNDRY_TOPO.dwg



**TYMBER CREEK ROAD
(VARIABLE WIDTH R/W)**

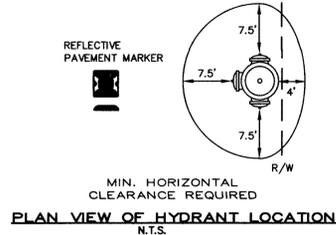


MOSS POINT SUBDIVISION
(MR 42 PGS 99 & 100)

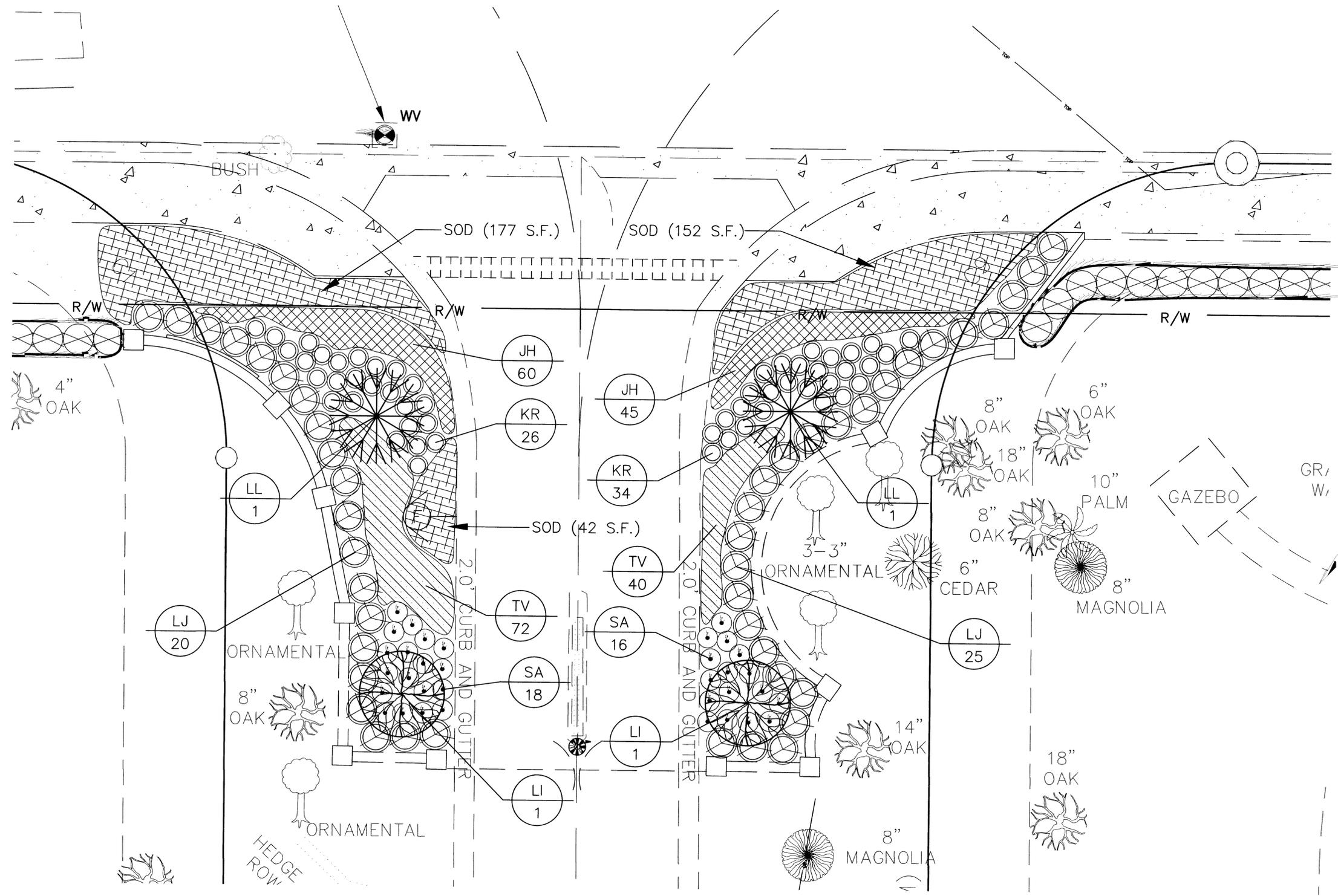
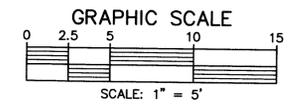
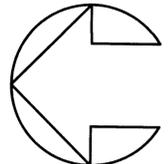
PLANT LIST					
SYMBOL	ABB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
⊖	VO	160	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	7 GAL., 36" O.C. 24" HT., MIN.

- NOTES:**
1. THE PROPOSED BRICK VENEER WITHIN THE TYMBER CREEK ROAD R/W SHALL BE OWNED AND MAINTAINED BY THE MOSS POINT HOMEOWNER'S ASSOCIATION. ALL REPAIRS SHALL BE THE RESPONSIBILITY OF THE MOSS POINT HOMEOWNER'S ASSOCIATION.
 2. EXISTING TREES SHALL BE LIMBED. ALL DEAD BRANCHES SHALL BE REMOVED AND DISPOSED.
 3. UPON COMPLETION OF THE LANDSCAPING IMPROVEMENTS AN AS-BUILT SHALL BE PROVIDED TO THE CITY OF ORMOND BEACH.
 4. ALL IRRIGATION PIPES AND HEADS WITHIN THE TYMBER CREEK ROAD R/W SHALL BE THE RESPONSIBILITY OF THE MOSS POINT HOMEOWNER'S ASSOCIATION.

● BENCHMARK: 8722 PID DM2633, HAVING A PUBLISHED ELEVATION OF 21.91 FEET (NAVD 1988) (22.96 FEET NGVD 1929)



1	4-13-15	REVISED PER CITY AND COUNTY COMMENTS	SWB
NO.	DATE	DESCRIPTION	BY
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117 (386)677-6891 FAX(386)677-2114 E-MAIL: info@parkermynchenberg.com CERTIFICATE OF AUTHORIZATION NUMBER: 00034140			
SITE & LANDSCAPE PLAN			
MOSS POINT SUBDIVISION ENTRY WALL IMPROVEMENTS ORMOND BEACH * FLORIDA			
FILE NO. 12-12SP.DWG	DESIGNER: P.MYNCHENBERG		
DATE: 2/23/15	CADD TECH: B. BERGSTRUM		
SCALE: 1" = 20'	SHEET 5 OF 9		

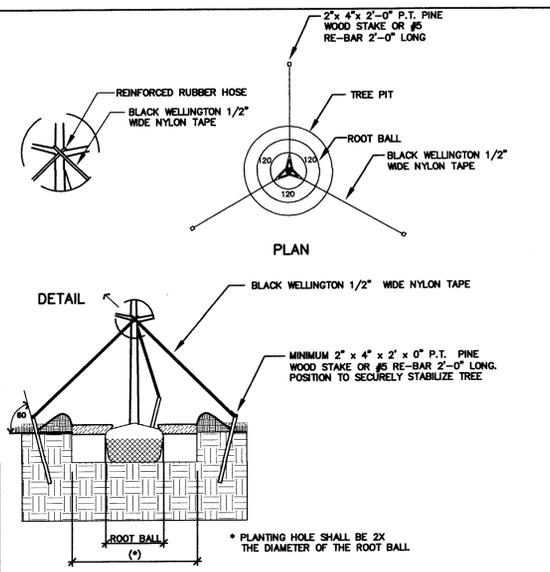


PLANT LIST

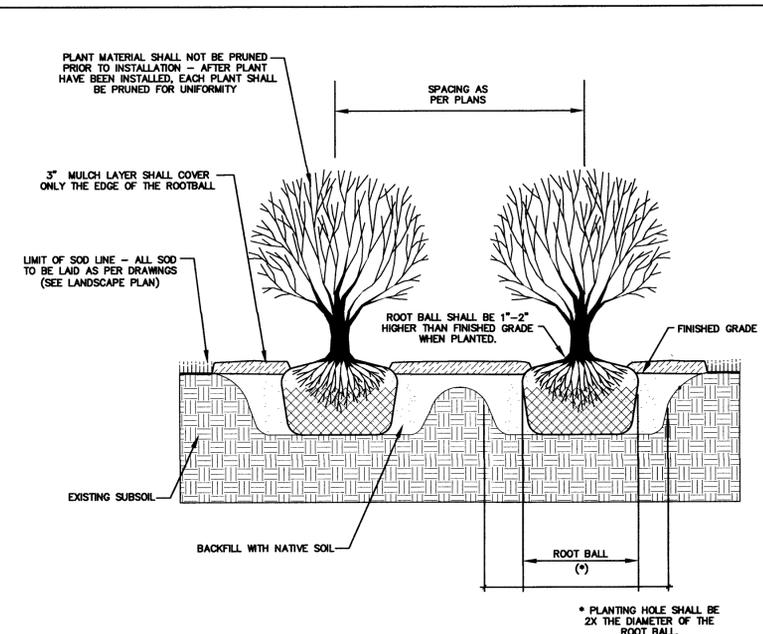
SYMBOL	ABB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SYMBOL	ABB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
	JH	150	JUNIPERUS HORIZONTALIS	CREeping JUNIPER	3 GAL., 12"-15" SPD., 16" O.C.		U	2	LAGERSTROEMIA INDICA "TUSCARORA"	CRape MYRTLE (RED FLOWERS)	45 GAL. 3" CAL. 10'-12' HT.
	TV*	112	TULBAGHIA VIOLACEA	SOCIETY GARLIC	3 GAL., 12"-15" SPD., 16" O.C.		LL	2	LIGUSTRUM LUCIDUM	LIGUSTRUM TREE	30 GAL. MULTI-TRUNK 5' HT., 5'-6" SPREAD
	SA	34	SCHEFFLERA ARBORICOLA "TRINETTE"	VARIEGATED ARBORICOLA	3 GAL., 24" O.C. 24" HT., MIN.						
	KR	60	ROSA "RADRAZZ"	KNOCKOUT ROSE "RED"	7 GAL., 24" O.C.						
	LJ	45	LIGUSTRUM JAPONICUM	LIGUSTRUM	7 GAL., 36" O.C.						
		189 SF.	ST. AUGUSTINE SOD								

NOTES:
 1. IRRIGATION SYSTEM SHALL BE ADJUSTED BASED NEW LANDSCAPE PLAN ALL NEW IRRIGATION HEADS SHALL BE INSTALLED IN ACCORDANCE WITH THE IRRIGATION DETAIL SHEETS.
 2. NO IRRIGATION HEADS SHALL BE LOCATED WITHIN THE TYMBER CREEK RIGHT OF WAY.

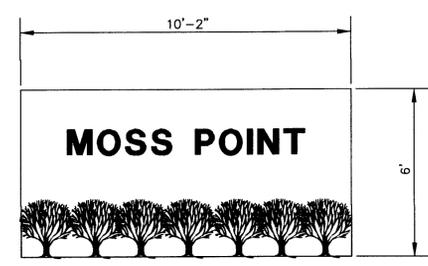
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PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386)677-6891 FAX(386)677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
ENTRY WALL LANDSCAPE PLAN			
MOSS POINT SUBDIVSON ENTRY WALL			
ORMOND BEACH * FLORIDA			
FILE NO. 12-12SP.DWG	DESIGNER: P.MYNCHENBERG		
DATE: 2/23/15	CADD TECH: B. BERGSTROM		
SCALE: 1" = 5'	SHEET 6 OF 9		



STANDARD CONSTRUCTION DETAIL
TYPICAL TREE GUYING DETAIL LS-7
NTS.



STANDARD CONSTRUCTION DETAIL
TYPICAL SHRUB PLANTING DETAIL LS-8
NTS.

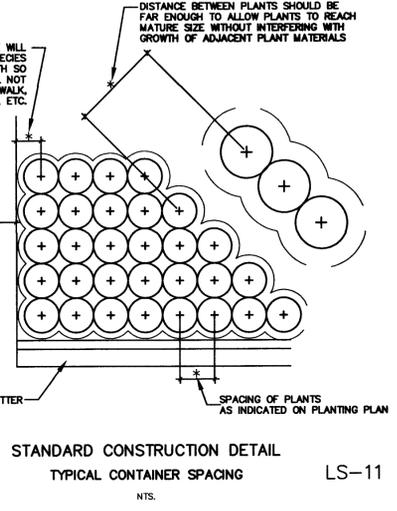
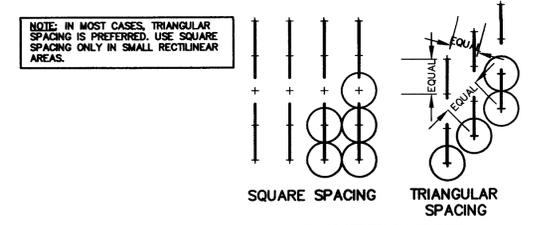


ENTRY WALL SIGNAGE

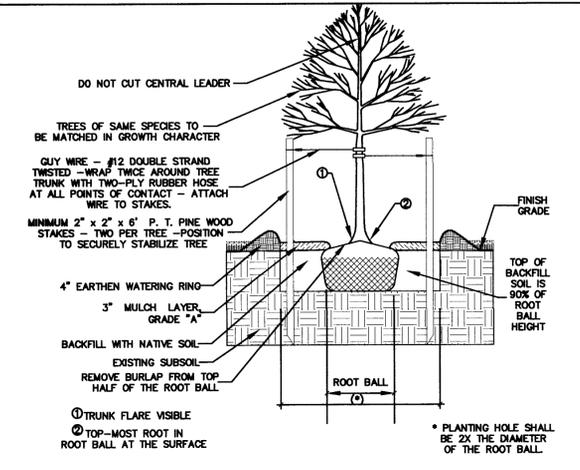
NOTE:
1.) A SEPARATE SIGN PERMIT SHALL BE REQUIRED.

LANDSCAPE NOTES

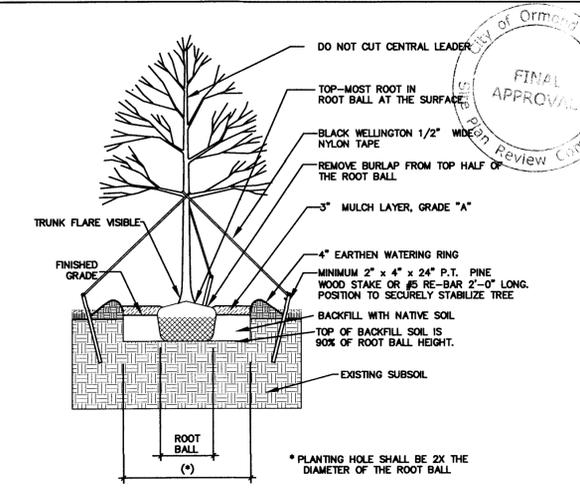
- LANDSCAPE REQUIREMENTS:
- 1.) ALL PLANT MATERIALS SHALL BE FLORIDA NO. 1 GRADE, OR BETTER, ACCORDING TO THE CURRENT "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE. TREES AND SHRUBS ARE TO BE CONTAINER GROWN. NO BALL AND BURLAP OR NON-CONTAINERIZED PLANTS WILL BE ALLOWED.
 - 2.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING PROJECT SOILS. THE CONTRACTOR SHALL PROVIDE A CERTIFIED SOILS REPORT TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THAT ON-SITE SOILS ARE ACCEPTABLE FOR PROPER GROWTH OF THE PROPOSED PLANT MATERIAL. SHOULD THE CONTRACTOR FIND POOR SOIL CONDITIONS, THE OWNER'S REPRESENTATIVE SHALL BE CONSULTED PRIOR TO PLANTING.
 - 3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND WORK CALLED FOR IN THE LANDSCAPE PLAN DOCUMENTS. THE PLANT LIST QUANTITIES SHALL BE USED AS A GUIDE ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES.
 - 4.) ALL PLANT BEDS AND ALL EXISTING AND PROPOSED PARKING LOT ISLANDS SHALL BE DRESSED WITH 3" MINIMUM SHREDDED CYPRESS MULCH.
 - 5.) THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL PLANTS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF PLANT MATERIALS.
 - 6.) THE CONTRACTOR SHALL DISPOSE OF STUMPS AND MAJOR ROOTS OF ALL PLANTS TO BE REMOVED.
 - 7.) THE LANDSCAPE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH ALL OTHER WORK TO BE DONE ON SITE, PRIOR TO LANDSCAPE INSTALLATION.
 - 8.) THE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT PITS. TEST HOLES FOR THE VISUAL INSPECTION OF DRAINAGE SHALL BE DUG PRIOR TO INSTALLATION OF ANY PLANTS. THE CONTRACTOR SHALL AMEND POOR DRAINAGE UNTIL ACCEPTABLE FOR PLANT SURVIVABILITY.
 - 9.) PLANTING BACKFILL MIX SHALL BE 1/4 PEAT, 1/4 COMPOSTED COW MANURE, 1/2 CLEAN SOIL.
 - 10.) THE CONTRACTOR SHALL REPLACE ALL PLANTS WHICH ARE NOT IN A HEALTHY GROWING CONDITION PRIOR TO ACCEPTANCE. ALL PLANTS SHALL BE MAINTAINED AND GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF 90 DAYS FOLLOWING ACCEPTANCE BY THE OWNER. ANY PLANTS FOUND NOT TO BE IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
 - 11.) SOD SHALL BE STRONG, SOLID SOD PLACED EVENLY AND WITHOUT GAPS BETWEEN PIECES. GROUND SHALL BE THOROUGHLY WETTED BEFORE PLACING SOD. SOD SHALL BE PLACED TO LIMITS SHOWN AND TO THE EXTENT OF DAMAGED EXISTING SOD. EXISTING GROUND SHALL BE STRIPPED BEFORE PLACING NEW SOD.
 - 12.) THE LIVE OAKS SHALL BE CONTAINER GROWN AND NOT BAG AND BURLAP TYPE. LIVE OAKS SHALL BE PLANTED 2" ABOVE GRADE.
 - 13.) PLANTING PLANS SHALL TAKE PRECEDENCE OVER PLANT LIST IN CASE OF DISCREPANCIES.
 - 14.) NO CHANGES ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER. ADDITIONS AND/OR DELETIONS TO THE PLANT MATERIAL MUST BE APPROVED BY THE PROJECT MANAGER.
 - 15.) LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN SQUARE FOOTAGE TAKEOFFS AND FIELD VERIFICATIONS FOR 100% SOD COVERAGE FOR ALL AREAS SPECIFIED. THE PROJECT MANAGER.
 - 16.) ALL LANDSCAPE AREAS ARE TO BE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM WHICH WILL PROVIDE 100% COVERAGE AND 50% OVERLAP.



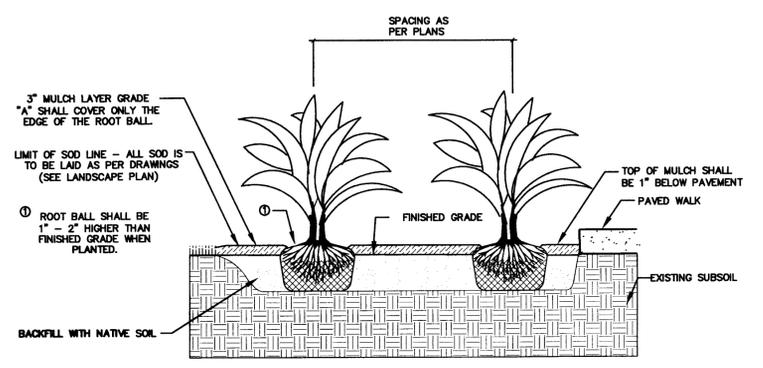
STANDARD CONSTRUCTION DETAIL
TYPICAL CONTAINER SPACING LS-11
NTS.



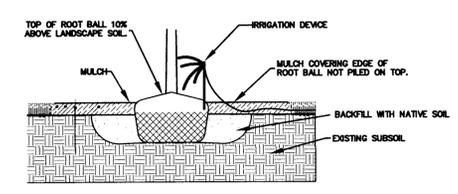
STANDARD CONSTRUCTION DETAIL
SMALL TREE PLANTING DETAIL LS-9
NTS.



STANDARD CONSTRUCTION DETAIL
LARGE TREE PLANTING DETAILS LS-10
NTS.



STANDARD CONSTRUCTION DETAIL
TYPICAL GROUND COVER DETAIL LS-12
NTS.



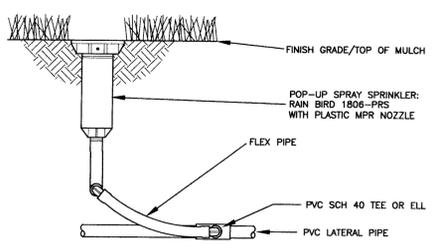
NEVER PLACE ANY SOIL OVER THE ROOT BALL. THE ROOT BALL SHOULD BE POSITIONED IN THE HOLE SHALLOW ENOUGH SO THE FINISHED GRADE OF THE BACKFILL SOIL DOES NOT REACH THE TOP. IN OTHER WORDS, LEAVE THE TOP FEW INCHES OF THE ROOT BALL SIDES EXPOSED TO THE AIR. MULCH WILL COVER THE REMAINING COUPLE INCHES. THE TOP OF THE ROOT BALL SHOULD BE SEVERAL INCHES HIGHER THAN THE SURROUNDING LANDSCAPE SOIL. BE SURE THAT WHEN YOU ARE FINISHED PLANTING, THERE IS NO SOIL OVER THE ROOT BALL. SOIL (AS WELL AS THICK MULCH LAYERS MORE THAN 3 INCHES DEEP) OVER THE ROOT BALL CAN PREVENT WATER AND AIR FROM ENTERING THE ROOT BALL. YOU SHOULD BE ABLE TO SEE THE TOP-MOST ROOT ORIGINATING FROM THE TRUNK AT THE SOIL SURFACE OR WITHIN THE TOP INCH OF SOIL IN THE ROOT BALL. THE TRUNK FLARE SHOULD BE VISIBLE.

MULCH SHOULD COVER ONLY THE EDGE OF THE ROOT BALL. SINCE THICK LAYERS OVER THE ROOT BALL CAN KEEP THE TRUNK TOO MOIST OR TOO DRY AND CAN CAUSE OTHER PROBLEMS. LOCATE THE IRRIGATION DEVICE SO IT DELIVERS WATER DIRECTLY TO THE ROOT BALL. THERE IS USUALLY NO NEED TO WATER AREAS OUTSIDE THE ROOT BALL. NO AMENDMENTS OF ANY KIND ARE NECESSARY IN THE BACKFILL SOIL, BECAUSE EXTENSIVE RESEARCH CLEARLY SHOWS THAT THEY TYPICALLY DO NOT INCREASE THE SURVIVAL NOR GROWTH AFTER PLANTING. NO SOIL BERM IS NEEDED IF TREES WILL BE IRRIGATED WITH A LOW-VOLUME DEVICE. PLACE THE BERM AT THE EDGE OF THE ROOT BALL IF THE ROOT BALL IS FINER TEXTURE THAN THE BACKFILL SOIL. THIS WILL HELP INSURE THAT WATER PERCOLATES INTO THE ROOT BALL.

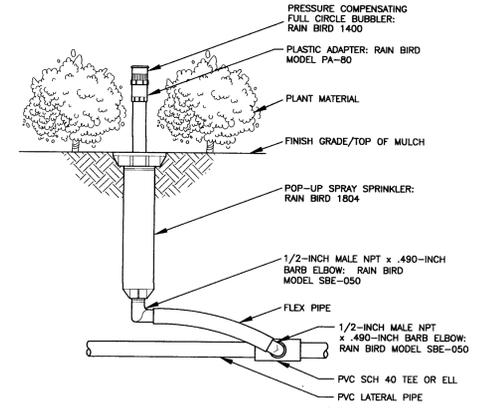
STANDARD CONSTRUCTION DETAIL
PLANT LIKE THIS DETAIL LS-13
NTS.

NO.	DATE	REVISED PER CITY AND COUNTY COMMENTS	SWB BY
1	4-13-15		
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386)677-8891 FAX(386)677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
LANDSCAPE DETAILS			
MOSS POINT SUBDIVISION			
ENTRY WALL IMPROVEMENTS			
ORMOND BEACH * FLORIDA			
FILE NO. 12-12LD.DWG	DESIGNER: P.MYNCHENBERG	SEAL	
DATE: 2/23/15	CADD TECH: B. BERGSTROM		
SCALE: NONE	SHEET 7 OF 9		

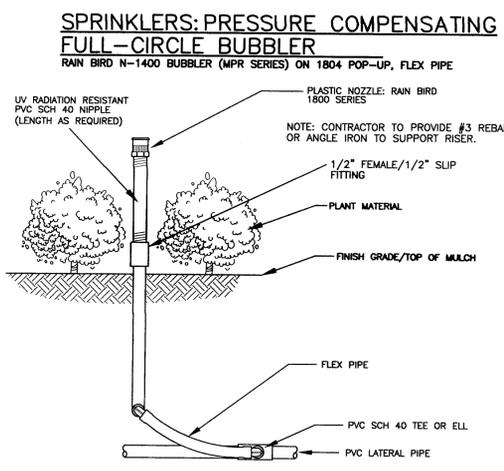
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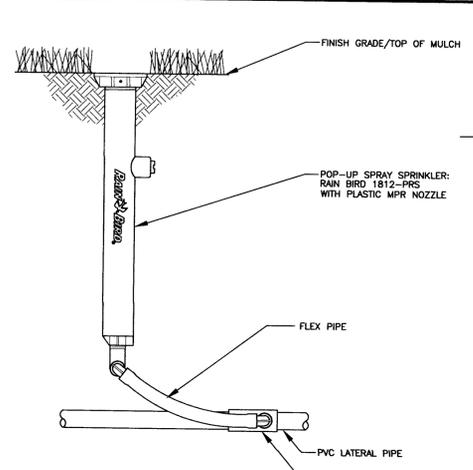
MODEL 1806-PRS 6" POP-UP
FIXED-SPRAY (MPR SERIES), FLEX PIPE, PRESSURE REGULATING



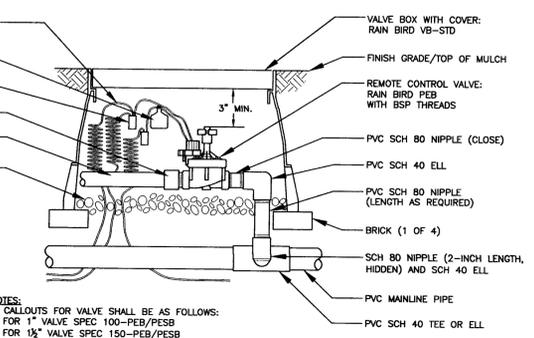
MODEL 1812-PRS 12" POP-UP
FIXED-SPRAY (MPR SERIES), FLEX PIPE, PRESSURE REGULATING



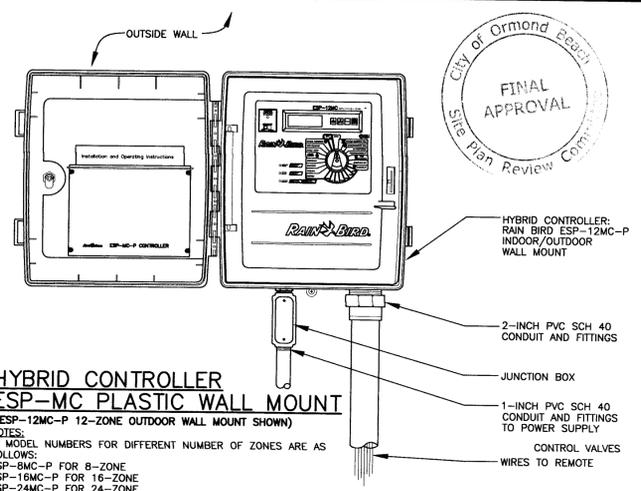
MODEL 1800 NOZZLE ON RISER
FIXED SPRAY, FLEX PIPE



MODEL 5500 SERIES POP-UP ROTOR
GEAR DRIVE (5500 NOZZLE), FLEX PIPE, PRESSURE REGULATING



VALVES: PEB OR PESB SERIES
PLASTIC VALVE, ELECTRIC (MODEL PEB SHOWN)



HYBRID CONTROLLER
ESP-MC PLASTIC WALL MOUNT
(ESP-12MC-P 12-ZONE OUTDOOR WALL MOUNT SHOWN)

RAIN BIRD MPR SERIES NOZZLE SELECTION CHART

SYM	SPEC	P.S.I.	G.P.M.	RADIUS	PATTERN
A	15F	30	3.7	15'	FULL
B	15TQ	30	2.78	15'	THREE QUARTER
C	15H	30	1.85	15'	N/A
D	15S	30	1.23	15'	HALF
E	15T	30	0.92	15'	THIRD
F	15Q	30	0.61	15'	QUARTER
G	15SEST	30	0.61	4'X15'	END STRIP
H	15SST	30	1.21	4'X30'	CENTER STRIP
I	15SST	30	1.21	4'X30'	SIDE STRIP
J	12F	30	2.6	12'	FULL
K	12TQ	30	1.95	12'	THREE QUARTER
L	12TQ	30	1.3	12'	N/A
M	N/A	30	0.50	5'	HALF
N	12H	30	0.87	12'	BUBBLER
O	50-B	30	0.50	5'	THIRD
P	12T	30	0.65	12'	QUARTER
R	12Q	30	1.58	10'	FULL
S	10F	30	0.79	10'	HALF
T	10Q	30	0.39	10'	QUARTER
V	10Q	30	1.05	8'	FULL
W	8F	30	0.52	8'	HALF
X	8T	30	0.35	8'	THIRD
Y	8Q	30	0.28	8'	QUARTER
Z	5F	30	0.41	5'	FULL
SF	5H	30	0.20	5'	HALF
SH	5T	30	0.13	5'	THIRD
ST	5T	30	0.13	5'	QUARTER
SO	5Q	30	0.10	5'	QUARTER

5500 NOZZLE PERFORMANCE DATA CHART

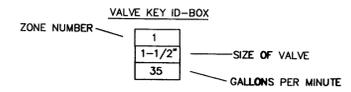
NOZZLE NO.	PSI	GPM	RADIUS
2	40	1.6	37'
3	40	2.7	39'
4	40	2.9	41'
5	40	3.5	41'
6	40	4.8	45'
8	40	6.4	45'
10	40	7.5	41'
12	40	10.1	39'

5500 SHORT RADIUS NOZZLE PERFORMANCE DATA CHART

NOZZLE NO.	PSI	GPM	RADIUS
18S	40	1.5	19'
22S	40	1.6	21'
26S	40	1.9	25'
30S	40	1.8	29'

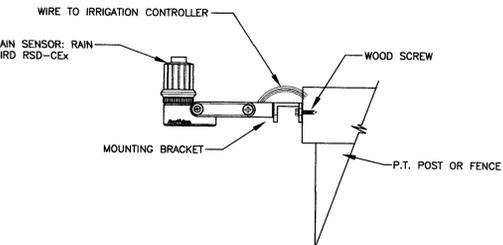
IRRIGATION LEGEND

- RAIN BIRD 1800 SERIES - SPRAY HEAD ON RISER, INSTALLED AS SHOWN, SEE NOZZLE CHART
- RAIN BIRD 1806-PRS SERIES - 6" POP-UP SPRAY HEAD, INSTALLED AS SHOWN, SEE NOZZLE CHART
- ⊙ RAIN BIRD MODEL 5500 SERIES SPRINKLER-GEAR DRIVE, FULLY ADJUSTABLE
- ⊗ RAIN BIRD PEB OR PESB SERIES - ELECTRIC CONTROL VALVE INSTALLED IN VB-STD VALVE BOX.
- ▶ DENOTES PROPOSED VALVE (SIZE AS SHOWN)
- DENOTES PROPOSED IRRIGATION MAIN, SCH. 40 (SIZE AS SHOWN)
- - - DENOTES PROPOSED IRRIGATION LATERAL SCH. 40 (SIZE AS SHOWN)
- ==== P.V.C. SLEEVE SIZE AS SHOWN
- DENOTES PROPOSED RAIN SENSOR, RAIN BIRD RSD SERIES
- ◇ DENOTES PROPOSED RAIN BIRD ESP-MC SERIES CONTROLLER

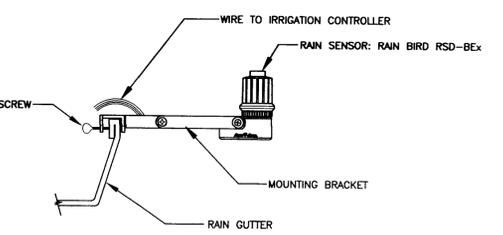


SPECIFIC IRRIGATION NOTES

- IRRIGATION SPRAY HEADS SHALL BE PRESSURE REGULATING.
 - SYSTEM SUPPLY REQUIREMENTS ARE: 40 GPM @ 40 PSI AT WATER SOURCE. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF DESIGN FLOW RATE AND PRESSURE DOES NOT EXIST.
 - LATERAL PIPES SHALL BE SIZED SUCH THAT THE WATER VELOCITY DOES NOT EXCEED 5 FEET/SECOND. CONTRACTOR SHALL APPLY THE FOLLOWING TABLE:
- | PIPE SIZE (MIN) | FLOW |
|-----------------|----------|
| 1/2" | <6 GPM |
| 3/4" | <10 GPM |
| 1" | <15 GPM |
| 1 1/4" | <26 GPM |
| 1 1/2" | <36 GPM |
| 2" | <50 GPM |
| 2 1/2" | <80 GPM |
| 3" | <120 GPM |
| 4" | <200 GPM |



MODEL RSD-CEx POST/FENCE MOUNTING

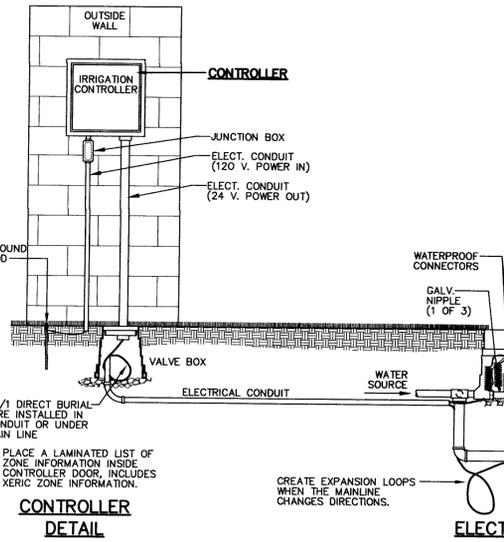


MODEL RSD-BEx GUTTER MOUNTING

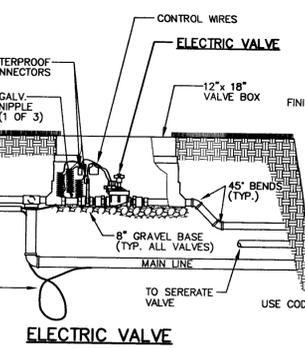
RAIN SENSOR MOUNTING DETAILS

GENERAL IRRIGATION NOTES

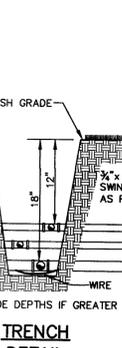
- THE CONTRACTOR SHALL REFER TO THE LANDSCAPING PLAN WHEN TRENCHING TO LAY PIPE TO AVOID NEW & EXISTING TREES & LARGE SHRUBS.
- ALL WIRING FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES SHALL BE UP-14/1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING ONLY RAIN BIRD CONNECTORS & SEALANT.
- UNLESS OTHERWISE INDICATED, PIPING TO A SINGLE SPRAY HEAD SHALL BE 1/2" PVC PIPING, UNLESS OTHERWISE INDICATED. PIPING TO A SINGLE SPRAY HEAD SHALL BE 3/4" PVC PIPING.
- ALL MAIN LINE PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 18". ALL LATERAL PIPING DOWNSTREAM OF THE MAIN LINE SHALL BE BURIED TO HAVE A MINIMUM COVER OF 12".
- THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON THE EXACT LOCATION OF THE IRRIGATION CONTROLLERS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SHOWN ON PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT.
- ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL CODES & REGULATIONS.
- ALL PIPING ON THE PLANS IS DIAGNOSTICALLY ROUTED FOR CLARITY & SHALL BE ROUTED TO AVOID PLANTS. DESIGN MODIFICATIONS SHALL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS & ONLY UPON APPROVAL OF THE LANDSCAPE ARCHITECT. PIPING SHOWN RUNNING PARALLEL UNDER SIDEWALKS ADJACENT TO PLANTED AREAS IS FOR DESIGN CONVENIENCE ONLY & SHALL BE INSTALLED WITHIN THE PLANTED AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ADJUSTMENT OF THE SPRINKLERS ARC & RADIUS TO ASSURE 100 PERCENT COVERAGE.
- 115 VOLT, SINGLE PHASE ELECTRICAL POWER FOR THE IRRIGATION CONTROLLERS SHALL BE COORDINATED BY THE IRRIGATION CONTRACTOR WITH THE ELECTRICAL ENGINEERING DRAWINGS. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL HOOK-UP INCLUDING ELECTRICAL MATERIALS.
- VALVES LOCATED OUTSIDE OF RIGHT-OF-WAY ARE FOR DESIGN PURPOSES ONLY & SHALL BE LOCATED INSIDE OF RIGHT-OF-WAY.
- ANY CHANGES TO IRRIGATION ZONE PIPING TO BE APPROVED BY THE CITY LANDSCAPE ARCHITECT PRIOR TO WORK BEING DONE.
- ALL XERIC IRRIGATION ZONES SHALL HAVE RUN TIMES REDUCED OR ELIMINATED AFTER SUFFICIENT PLANT ESTABLISHMENT. THIS NOTE TO APPEAR INSIDE THE CONTROLLER FOR MAINTENANCE PERSONNEL INFORMATION.



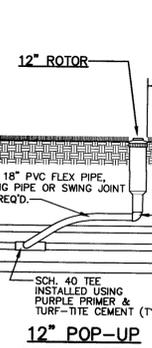
CONTROLLER DETAIL



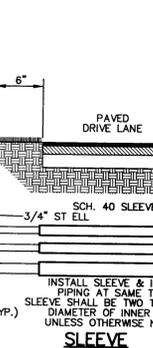
ELECTRIC VALVE DETAIL



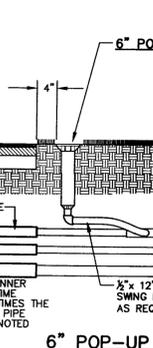
TRENCH DETAIL



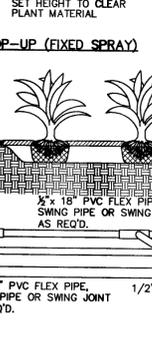
12" POP-UP ROTOR DETAIL



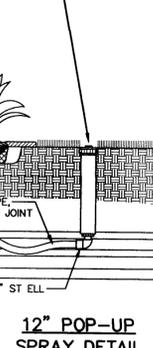
SLEEVE DETAIL



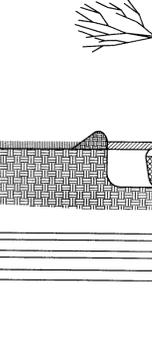
6" POP-UP SPRAY DETAIL



12" POP-UP SPRAY DETAIL



BUBBLER DETAIL



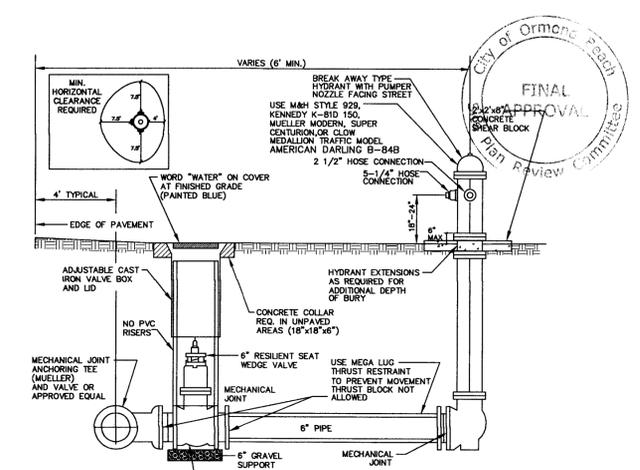
SHRUB SPRAY DETAIL

NOTE: REQUIREMENTS VARY; CHECK LOCAL CODES PRIOR TO INSTALLATION.
TYPICAL IRRIGATION DETAILS

1	4-13-15	REVISED PER CITY AND COUNTY COMMENTS	SWB
NO.	DATE	DESCRIPTION	BY
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATION OF AUTHORIZATION NUMBER: 00003910			
IRRIGATION DETAILS			
MOSS POINT SUBDIVISION ENTRY WALL IMPROVEMENTS			
ORMOND BEACH * FLORIDA			
FILE NO. 12-121D.DWG	DESIGNER: P. MYNCHENBERG		
DATE: 2/23/15	CADD TECH: B. BERGSTROM		
SCALE: NONE	SHEET 8 OF 9		



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- NOTES:
1. ALL JOINTS SHALL BE RESTRAINED
 2. HYDRANTS TO BE PAINTED SAFETY YELLOW (PUBLIC) OR RED (PRIVATE)
 3. HYDRANT BONNET AND CAP TO BE PAINTED ACCORDING TO THE FOLLOWING SCHEME:
 CLASS AA - 1500 GPM AND GREATER - LIGHT BLUE
 CLASS A - 1000 GPM TO 1499 GPM - GREEN
 CLASS B - 500 GPM TO 999 GPM - ORANGE
 CLASS C - LESS THAN 500 GPM - RED
 4. HYDRANTS INSTALLED ON THE PENINSULA SHALL BE PAINTED WITH A CATALYZED TWO PART PRIMER (DURAPRIME #235) OR EPOXY BATH SOLUTION, ELECTRICALLY CHARGED AND A CATALYZED URETHANE TOP COAT (ACROLOX 218), OR TWO COMPONENT POLYURETHANE PAINT.
 5. HOSE CONNECTIONS TO BE AMERICAN STANDARD THREADED.
 6. THE HYDRANT SHADE WILL BE COATED INSIDE WITH FUSION BONDED EPOXY, 6 MIL MINIMUM
 7. ADJUSTMENTS OR REPAIRS TO THE HYDRANT AFTER INSTALLATION SHALL BE DONE BY AN UNDERGROUND UTILITY CONTRACTOR OR THE CITY AND ALL COSTS SHALL BE CHARGED TO THE DEVELOPER. PAYMENT SHALL BE MADE PRIOR TO CERTIFICATE OF OCCUPANCY OF PROPERTY.
 8. RESTRAINED JOINTS REQUIRED. THRUST BLOCKS NOT PERMITTED.
 9. BOLTS SHALL BE 316 STAINLESS STEEL.
 10. INSTALL BLUE REFLECTIVE MARKER IN SUCH A MANNER THAT THE REFLECTIVE FACE OF THE MARKER IS PERPENDICULAR TO A LINE PARALLEL TO THE ROADWAY CENTERLINE. THE BLUE REFLECTIVE MARKER SHALL BE PLACED IN THE CENTER OF THE TRAVEL LANE, DIRECTLY ACROSS FROM AND ADJACENT TO EACH FIRE HYDRANT.

INDEX
 FIRE HYDRANT ASSEMBLY W-8
 MARCH 2014

Table I
 Device Spacing

Speed (mph)	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Table II
 Taper Length - Shoulder

Speed (mph)	L _s (ft.)			Notes
	10' Shldr.	12' Shldr.	15' Shldr.	
25	28	33	42	L=WS ² /60
30	40	50	60	
35	55	68	82	L=WS
40	72	90	107	
45	120	150	180	L=WS
50	133	167	200	
55	147	183	220	L=WS
60	160	200	240	
65	173	217	260	L=WS
70	187	233	280	

GENERAL NOTES

1. If the work operation encroaches on the through traffic lanes or when four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), a flagger shall be provided and a FLAGGER sign shall be substituted for the WORKERS sign. The flagger shall be positioned at the point of vehicle entry or departure from the work area.
2. This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
3. When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
4. WORKERS signs to be removed or fully covered when no work is being performed.
5. SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
6. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TTC indexes.
7. For general TCZ requirements and additional information, refer to Index No. 600.

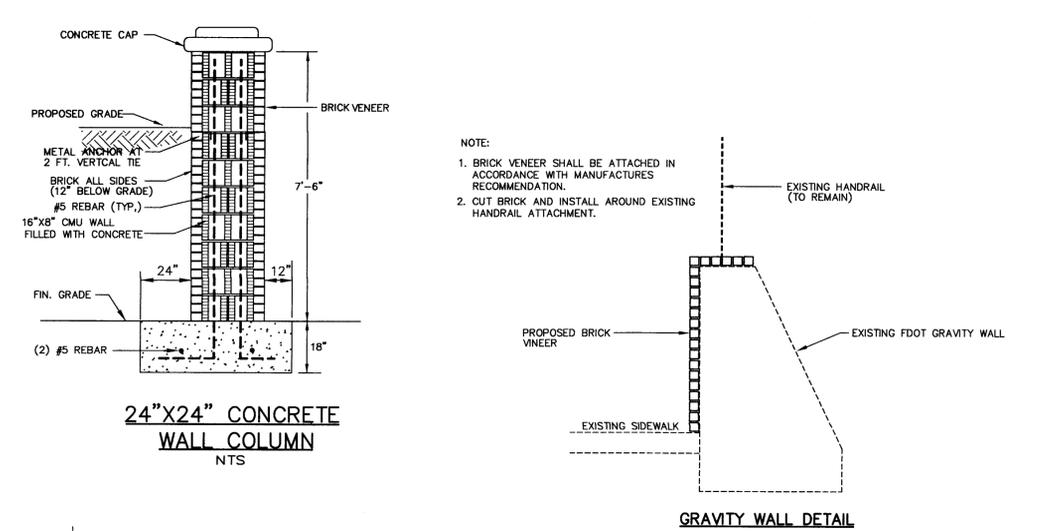
DURATION NOTES

1. Signs and channelizing devices may be omitted if all of the following conditions are met:
 - a. Work operations are 60 minutes or less.
 - b. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRoACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

INDEX NO. 612 SHEET NO. 1 of 1



- NOTE:
1. BRICK VENEER SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION.
 2. CUT BRICK AND INSTALL AROUND EXISTING HANDRAIL ATTACHMENT.

GRAVITY WALL DETAIL

CONCRETE WALL DETAIL

REVISIONS

NO.	DATE	REVISIONS	BY
1	4-13-15	REVISED PER CITY AND COUNTY COMMENTS	SWB

PARKER MYNCHENBERG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
 1729 RIDGWOOD AVENUE HOLLY HILL, FLORIDA 32117
 (386)677-6891 FAX(386)677-2114 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

MISCELLANEOUS DETAILS

MOSS POINT SUBDIVISION
 ENTRY WALL IMPROVEMENTS
 ORMOND BEACH * FLORIDA

FILE NO. 12-12FDOT.DWG DESIGNER: P. MYNCHENBERG
 DATE: 2/23/15 CADD TECH: B. BERGSTROM
 SCALE: NOT TO SCALE SHEET 9 OF 9