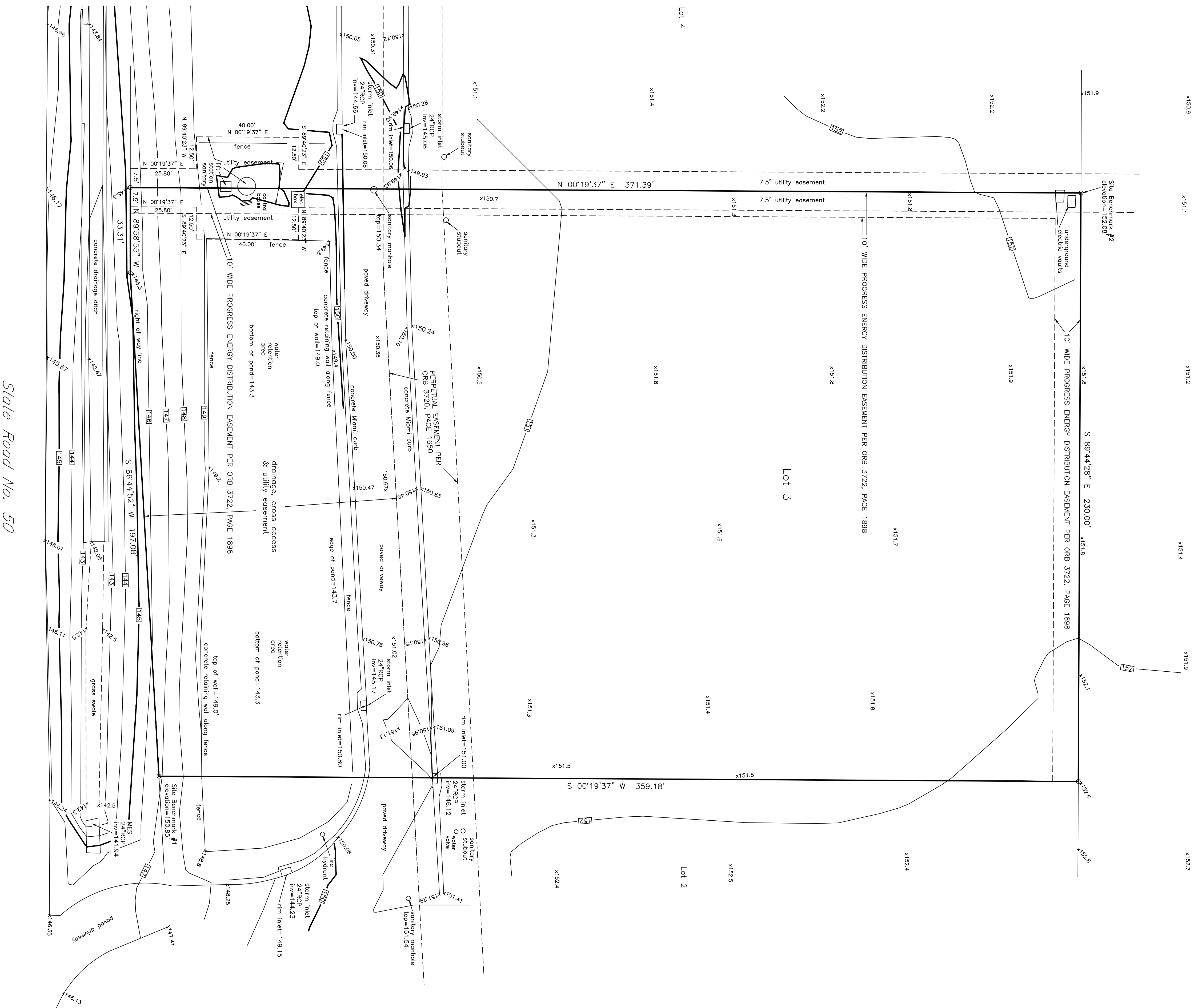
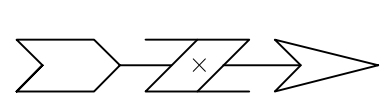


Map of Boundary & Topographic Survey

Description:
 Lot 3, GREEN VALLEY COMMONS,
 according to the plat thereof, as recorded in
 Plat Book 52, Pages 85-86,
 Public Records of Lake County, Florida.

- Notes:**
- Bearings based on the North line of Lot 3 as being S 89°44'28" E, on an assumed meridian.
 - Legal description supplied by client.
 - Title commitment by Westcor Land Title Insurance Company file No. 15-294 dated 11/30/16 was provided for this survey.
 - No adjacent or underground improvements, other than those shown, located this date.
 - Subject property contains 1.933 acres, more or less.
 - Elevations based on original project datum (NGVD 1929 datum).

Scale = 1"=20'



- LEGEND:**
- Denotes found 1/2" iron rod
 - Denotes set 1/2" iron rod & cap marked "LB 6980"

Surveyor's Certification
 I hereby certify to the Rucker Family Trust that this Map of Boundary & Topographic Survey meets the Standards of Practice for surveys as set forth in Chapter 5J-17 Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

JEFFREY P. RHODEN PSM #5322
 STATE OF FLORIDA
 UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS MAP/REPORT IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

Lake County
 I hereby declare that based on my examination of the Flood Insurance Rate Map number 12069C 0565 E dated Dec. 18, 2012, and that to the best of my knowledge, belief and my professional opinion that the subject property lies within flood zone X.

01/20/16 updated Survey with new title commitment by Westcor.
 06/30/15 received title commitment, add perpetual easement & Prog E easmt.
 01/30/15 shifted elevation datum to original project datum.

Field Date: 12/23/14
 Drawn by: JPR
 Scale: 1"=20'

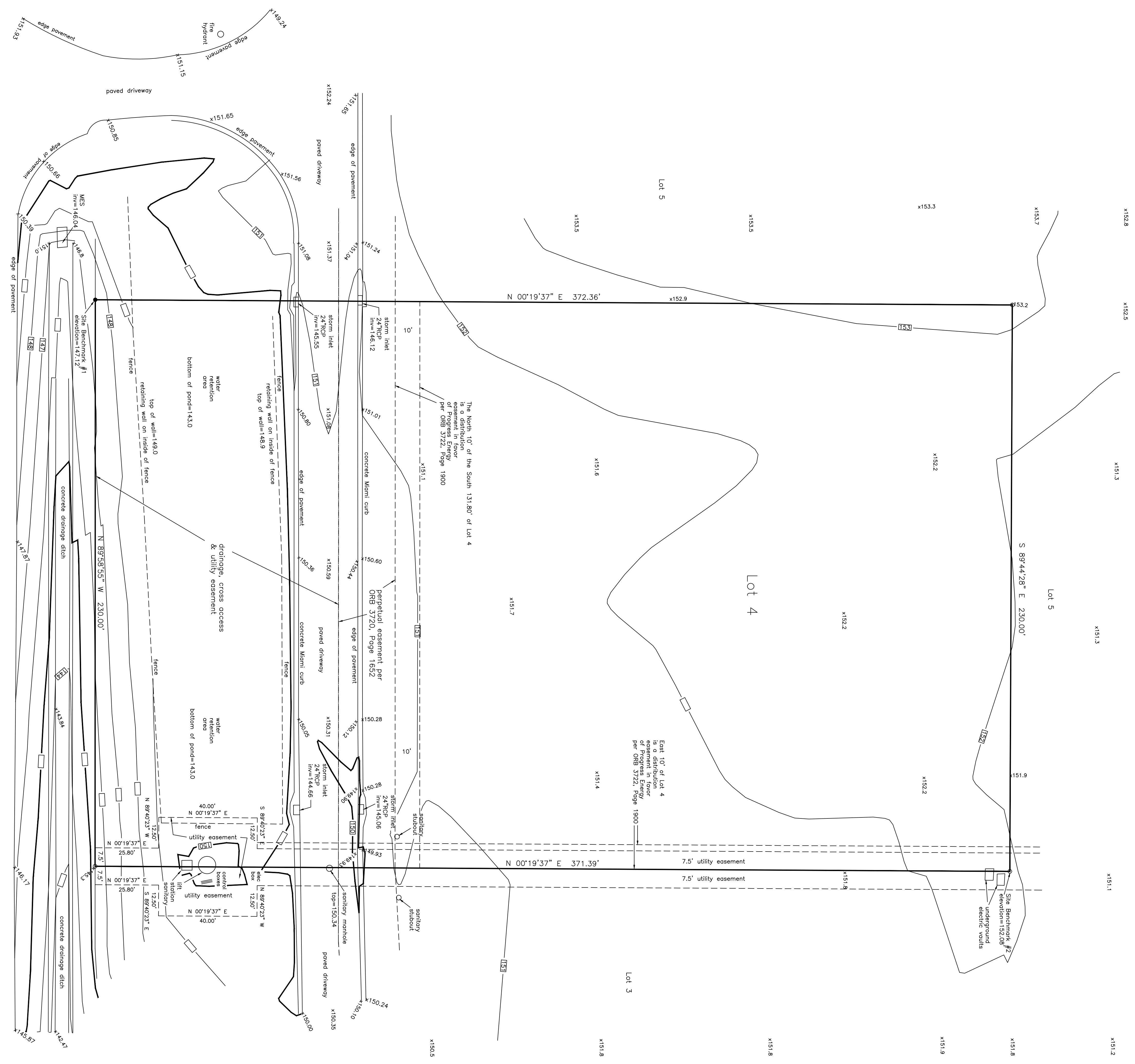
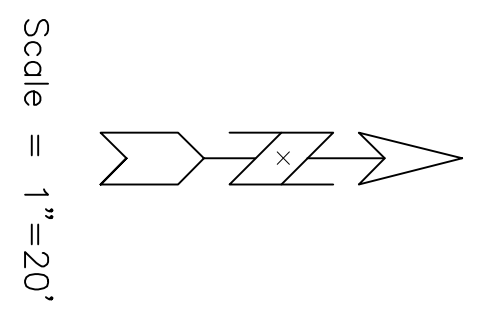
Prepared for: Rucker Family Trust
 02075.053
Rhoden Land Surveying, Inc.
 LB #6980
 420 E. Minnehaha Ave.
 Clermont, FL 34711
 352-394-6255

Map of Boundary & Topographic Survey

Description:
 Lot 4, GREEN VALLEY COMMONS,
 according to the plat thereof, as recorded in
 Plat Book 52, Pages 85-86,
 Public Records of Lake County, Florida.

fire
 hydrant
 ○

Notes:
 -Bearings based on the North line of Lot 4
 as being S 89°44'28" E, on assumed meridian.
 -Legal description supplied by client.
 -Title commitment by Westcor Land Title Insurance Company
 file No. 15-294 dated 11/20/15 was provided
 for this Survey.
 -No adjacent or underground improvements,
 other than those shown, located this date.
 -Subject property contains 1.964 acres, more
 or less, and is subject to any rights of way or
 easements of record.
 -Elevations based on original project datum (NGVD 1929 datum).



State Road No. 50

Surveyor's Certification
 I hereby certify to the Rocker Family Trust
 that this Map of Boundary & Topographic Survey
 meets the Standards of Practice for surveys as set
 forth in Chapter 5J-17 Florida Administrative Code,
 pursuant to Section 472.027, Florida Statutes.

JEFFREY P. RHODEN PSM #5322
 STATE OF FLORIDA
 UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL
 RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND
 MAPPER, THIS MAP/REPORT IS FOR INFORMATIONAL
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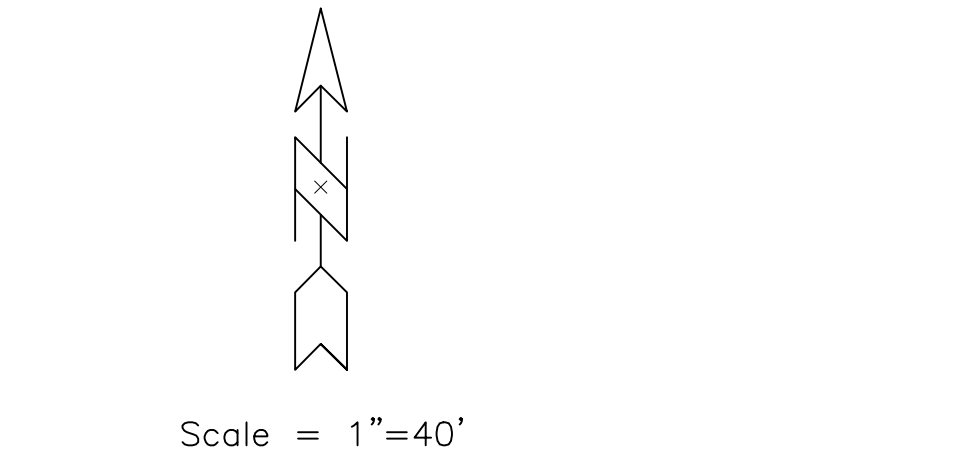
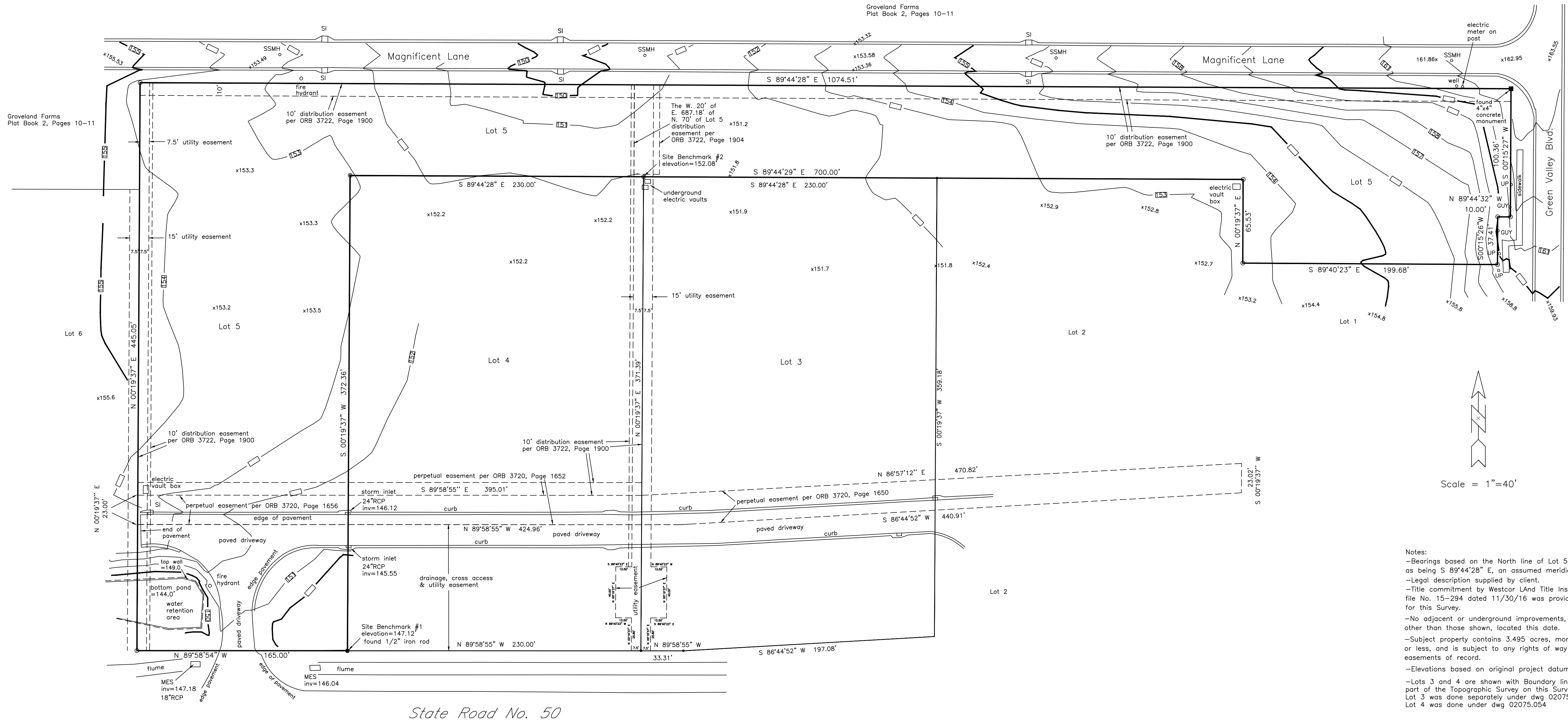
Lake County
 I hereby declare that based on my
 examination of the Flood Insurance Rate
 Map number 12069C 0565 E dated Dec. 18,
 2012, and that to the best of my knowledge,
 belief and my professional opinion that the
 subject property lies within flood zone X.

LEGEND:
 ● Denotes found 1/2" iron rod
 ○ Denotes set 1/2" iron rod &
 cap marked "LB 6980"

| | | | |
|---|---|-----------|--|
| 01/20/16 updated Survey with title commitment | | 02075.054 | |
| 01/20/15 shifted station datum to original project datum. | | | |
| Field Date 12/23/14 | Prepared for: Rocker Family Trust | | |
| Drawn by: JPR | Rhoden Land Surveying, Inc. LB #6980 420 E. Minnehaha Ave. Clermont, FL 34711 352-394-6255 | | |
| Scale: 1"=20' | | | |

Map of Boundary & Topographic Survey

Description:
 Lot 5, GREEN VALLEY COMMONS,
 according to the plat thereof, as recorded in
 Plat Book 52, Pages 85-86,
 Public Records of Lake County, Florida.



Notes:
 -Bearings based on the North line of Lot 5 as being S 89°44'28" E, an assumed meridian.
 -Legal description supplied by client.
 -Title commitment by Westcor Land Title Insurance Company file No. 15-294 dated 11/30/16 was provided for this Survey.
 -No adjacent or underground improvements, other than those shown, located this date.
 -Subject property contains 3.495 acres, more or less, and is subject to any rights of way or easements of record.
 -Elevations based on original project datum (NGVD 1929 datum).
 -Lots 3 and 4 are shown with Boundary lines but are not a part of the Topographic Survey on this Survey. Lot 3 was done separately under dwg 02075.053 Lot 4 was done under dwg 02075.054

- LEGEND:**
- Denotes set 1/2" iron rod & cap marked "LB 6980"
 - GUY denotes guy wire
 - UP denotes utility pole
 - SSMH denotes sanitary sewer manhole
 - SI denotes storm inlet

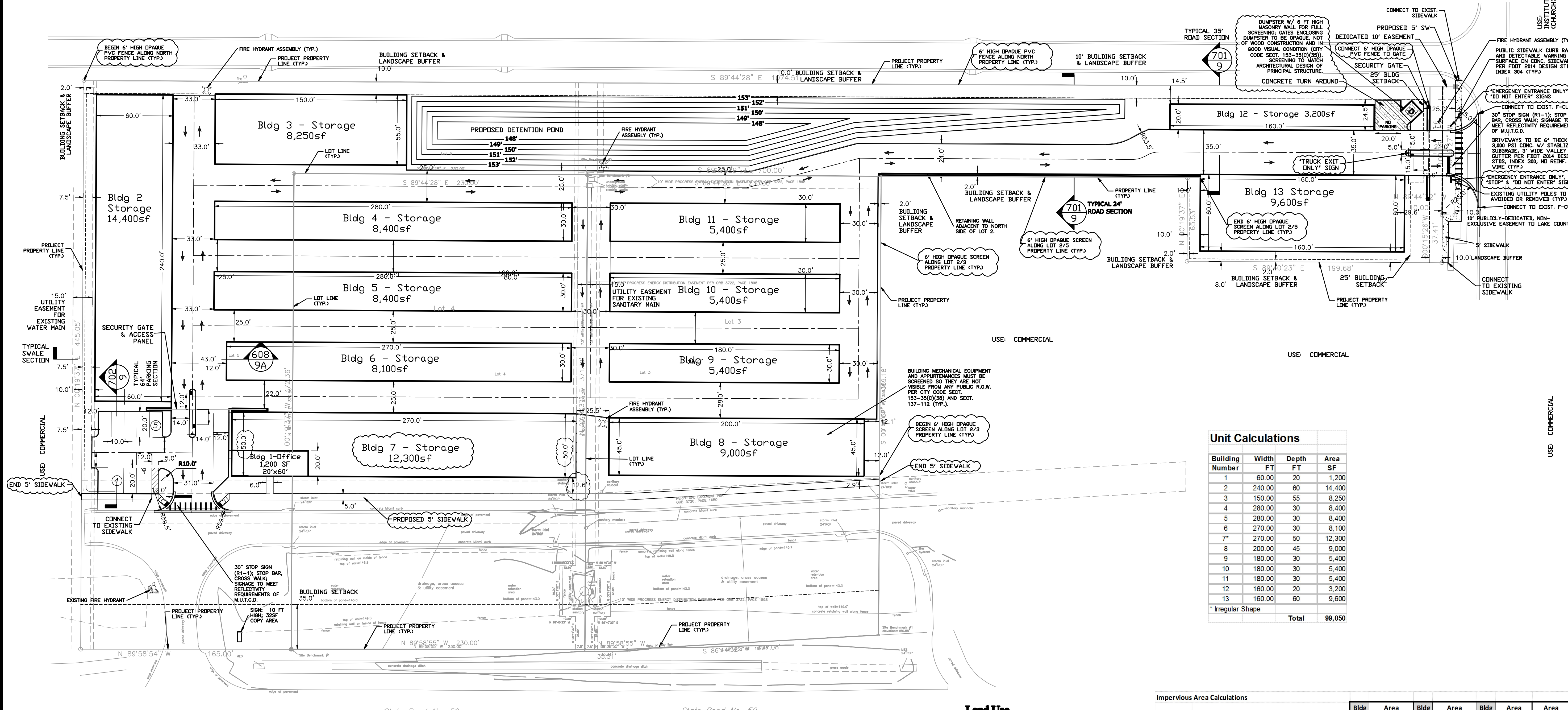
Surveyor's Certification
 I hereby certify to the Rucker Family Trust that this Map of Boundary & Topographic Survey meets the Standards of Practice for surveys as set forth in Chapter 5J-17 Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

JEFFREY P. RHODEN PSM #5322 01/20/16
 STATE OF FLORIDA
 UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS MAP/REPORT IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

Lake County
 I hereby declare that based on my examination of the Flood Insurance Rate Map number 12069C 0565 E dated Dec. 18, 2012, and that to the best of my knowledge, belief and my professional opinion that the subject property lies within flood zone X.

| | | |
|------------------------|---|-----------|
| Field Date 01/09/16 | Prepared for: Rocker Family Trust | 02075.055 |
| Drawn by: JPR | Rhoden Land Surveying, Inc. LB #6980 420 E. Minnehaha Ave. Clermont, FL 34711 352-394-6255 | |
| Scale: 1"=40' | | |

USE: RESIDENTIAL TOWN HOMES



Unit Calculations

| Building Number | Width FT | Depth FT | Area SF |
|-------------------|----------|----------|---------|
| 1 | 60.00 | 20 | 1,200 |
| 2 | 240.00 | 60 | 14,400 |
| 3 | 150.00 | 55 | 8,250 |
| 4 | 280.00 | 30 | 8,400 |
| 5 | 280.00 | 30 | 8,400 |
| 6 | 270.00 | 30 | 8,100 |
| 7* | 270.00 | 50 | 12,300 |
| 8 | 200.00 | 45 | 9,000 |
| 9 | 180.00 | 30 | 5,400 |
| 10 | 180.00 | 30 | 5,400 |
| 11 | 180.00 | 30 | 5,400 |
| 12 | 160.00 | 20 | 3,200 |
| 13 | 160.00 | 60 | 9,600 |
| * Irregular Shape | | | Total |
| | | | 99,050 |

Impervious Area Calculations

| | Bldg # | Area (SF) | Bldg # | Area (SF) | Bldg # | Area (SF) | Area (SF) |
|--|--------|-----------|--------|-----------|--------|-----------|-----------|
| | | Lot 5 | Lot 4 | Lot 3 | | | TOTAL |
| Total Lot Area | | 152,253 | 85,528 | 84,203 | | | 321,985 |
| Existing Road | | 7,027 | 5,520 | 5,534 | | | 18,081 |
| Existing Sidewalk | | 640 | 1,149 | 1,154 | | | 2,943 |
| Existing Curb | | 855 | 920 | 922 | | | 2,697 |
| Existing Wall with Fence | | 192 | 324 | 309 | | | 825 |
| Proposed Buildings | | | | | | | |
| Building | 1 | 950 | 1 | 250 | | | 1,200 |
| Building | 2 | 14,400 | | | | | 14,400 |
| Building | 3 | 8,250 | | | | | 8,250 |
| Building | 4 | 1,860 | 4 | 6,540 | | | 8,400 |
| Building | 5 | 1,860 | 5 | 6,540 | | | 8,400 |
| Building | 6 | 1,560 | 6 | 6,540 | | | 8,100 |
| Building | 7 | 1,425 | 7 | 10,875 | | | 12,300 |
| Building | | | | 8 | 9,000 | | 9,000 |
| Building | | | | 9 | 5,400 | | 5,400 |
| Building | | | | 10 | 5,400 | | 5,400 |
| Building | | | | 11 | 5,400 | | 5,400 |
| Building | | | | | | 12 | 3,200 |
| Building | | | | | | 13 | 9,600 |
| Dumpster | | | | | | | 144 |
| Proposed Retaining Wall | | | | | | | 1,238 |
| Proposed Sidewalk | | | | | | | 630 |
| Proposed Road | | | | | | | 1,150 |
| Proposed Curb | | | | | | | 27,006 |
| Proposed Curb | | | | | | | 88,038 |
| Proposed Curb | | | | | | | 4 |
| Proposed Curb | | | | | | | 100 |
| Proposed Curb | | | | | | | 827 |
| Total Impervious Area | | 92,194 | 63,205 | | | | 61,375 |
| Impervious Area Provided | | 60.6% | 73.9% | | | | 72.9% |
| Impervious Area Allowed - City | | 80.0% | 80.0% | | | | 80.0% |
| Impervious Area Allowed - SIRWMD (to exist. Pond) | | 8.1% | 70.0% | | | | 70.0% |
| *Lot 5 % Imp Area allowed by SI can go directly to existing pond at SR-50, remainder must be treated on-site in Lot 5 Detention Pond | | | | | | | |
| Areas allowed to discharge directly to existing southern pond: | | | | | | | |
| Total Impervious Area allowed to Exist Pond | | 12,363 | 59,870 | | | | 58,942 |
| Existing Areas (Frontage Rd.) | | 8,714 | 7,913 | | | | 7,919 |
| Proposed Areas to Exist Frontage Pond** | | 3,649 | 51,957 | | | | 51,023 |
| ** Remainder of Impervious Areas will flow to new pond on Lot 5 | | | | | | | |

Land Use
 S.T.R. 21, 22S, 25E
 FUTURE LAND USE: COMMERCIAL
 EXISTING ZONING: PUD
 EXISTING USE: VACANT LOT
 PROPOSED USE: SELF STORAGE W/ SUPPORTING RETAIL & OFFICE
 NUMBER OF LOTS: 3 (LOTS 3, 4 & 5)
 TRACT AREA: 7.39 ACRES ± 321,987 SF

Setbacks
 PUD:
 FRONT: 35 FT (LOT 5 @ SR-50)
 SIDE: 25 FT (LOT 5 @ GREEN VALLEY BLVD.)
 REAR: 10 FT (LOT 5 @ RESIDENTIAL)

Lot 3, 4 & 5:
 FRONT: 35 FT (SR-50)
 SIDE: 25 FT (LOT 5 @ GREEN VALLEY BLVD.)
 REAR: 2 FT (LOTS 6, 2)
 SIDE: 10 FT (LOT 5 @ RESIDENTIAL)

Buffers
 PUD:
 FRONT: 15 FT (LOT 5 @ SR-50)
 SIDE: 2 FT (LOT 1 @ GREEN VALLEY BLVD.)
 REAR: 10 FT (LOT 5 @ RESIDENTIAL)
 WAIVER FROM 15 FT

LOTS 3, 4 & 5:
 FRONT: 15 FT (SR-50)
 SIDE: 2 FT (LOT 1 @ GREEN VALLEY BLVD.)
 REAR: 2 FT (LOTS 2, 6)
 SIDE: 10 FT (LOT 5)

Building
 MAX. STORIES = 2.5
 MAX. BLDG. HEIGHT = 35'

Parking
 PARKING PER CODE FOR "MINI-WAREHOUSE/ PERSONAL STORAGE FACILITIES" USE:
 SPACES PROVIDED = 6
 SPACES PROVIDED = 9

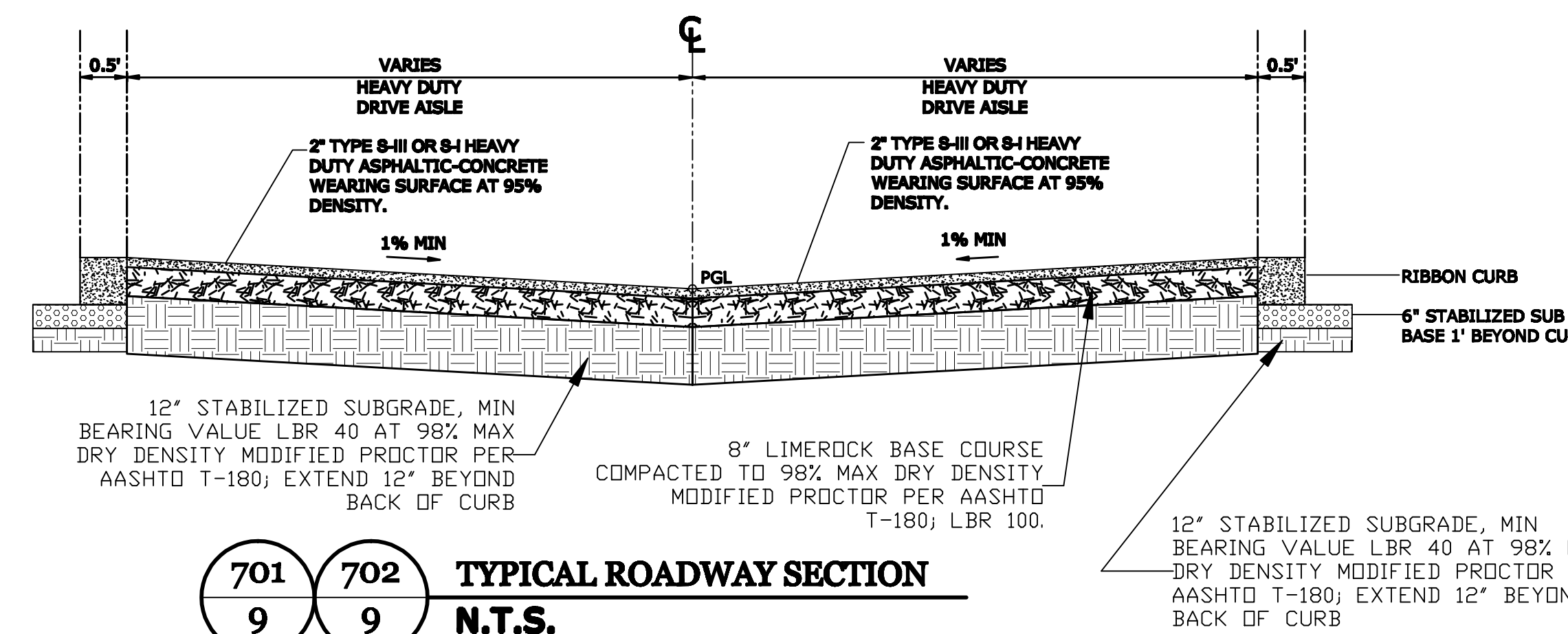
Utilities
 1. DRINKING WATER SYSTEM PROVIDER: CITY OF GROVELAND.
 2. SANITARY SEWER SYSTEM PROVIDER: CITY OF GROVELAND.
 3. REUSE WATER SYSTEM - CITY OF GROVELAND (FUTURE CONNECTION).
 4. IRRIGATION TO BE BY WELL WITH FUTURE CONNECTION POSSIBLE TO REUSE SYSTEM SHOULD ONE BECOME AVAILABLE.
 5. WATER & SEWER LINES TO BE CITY OWNED & MAINTAINED.

Storm Water
 6. STORM WATER AND DRAINAGE FACILITIES: OFF-SITE STORMWATER FACILITIES PROVIDED BY GREEN VALLEY COMMONS COMMERCIAL SUBDIVISION.
 7. ON-SITE SOILS: APOPKA & CHANDLER SANDS, TYPE "A".
 8. ON-SITE VEGETATION: POOR COVER OF NATIVE GRASSES.
 9. SIDEWALK: 5' WIDE ALONG AND WITHIN ROW

Flood Plain
 THE SITE IS OUTSIDE THE 100 YEAR FLOOD PLAIN.

State Notes
 A COPY OF THE NPDES NOTICE OF INTENT, THE ISSUED NPDES STORM WATER RUNOFF PERMIT FOR CONSTRUCTION ACTIVITIES, AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON SITE AND AVAILABLE FOR INSPECTION AT ANY TIME.

General Notes
 1. CALL SUNSHINE (1-800-432-4770) PRIOR TO ANY CONSTRUCTION OPERATION (WWW.CALLSUNSHINE.COM)
 2. THERE ARE NO EXISTING TREES ON SITE TO BE PROTECTED.
 3. CONTRACTOR TO PROTECT EXISTING TREES, SHRUBS AND OTHER LANDSCAPING ALONG R.O.W.'S. SHOULD CONFLICT ARISE BETWEEN EXISTING LANDSCAPING AND PROPOSED SIDEWALKS, DRIVEWAYS AND OTHER IMPROVEMENTS, CONTRACTOR TO RELOCATE LANDSCAPING TO THE SATISFACTION OF CITY OR COUNTY INSPECTOR.
 4. STREETS TO BE PRIVATELY OWNED & MAINTAINED.



Ephesians 6:11-17

Denham Engineering, LLC
 Orlando: 407-217-5487
 Clermont: 352-989-1915
 Brian@DenhamENG.com
 www.DenhamENG.com

Rocker Family Trust
Rocker's Lockers
 Green Valley Commons Lots 3-5
 Groveland, FL

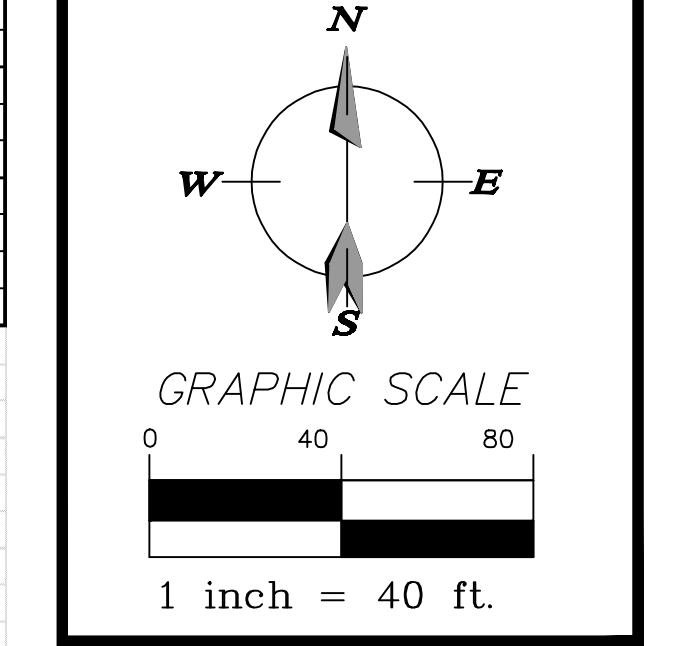
Site Plans
Dimension Plan

Revisions

| NO. | DATE | DESCRIPTION |
|-----|----------|------------------------------------|
| 2 | 08-27-15 | Building Area Revisions per BETCO |
| 3 | 09-02-15 | Office Area Revisions |
| 4 | 10-02-15 | Building Area Revisions per Client |
| 5 | 10-07-15 | Building Area Revisions per Client |
| 6 | 10-12-15 | Unit Calculation Update |
| 7 | 10-30-15 | Combination of Lots 3, 4 & 5 |
| 8 | 01-19-16 | Response to City Comments |
| 9 | 03-07-16 | Building and Landscape Updates |
| 10 | 06-15-16 | Per City Comments |
| 11 | 07-14-16 | Per Community Meeting |

Plans not valid unless Signed, Dated and Sealed below.

J. Brian Denham, P.E.
 Date: 07-14-16
 FL Registration #58008
 Certificate of Authorization #29666

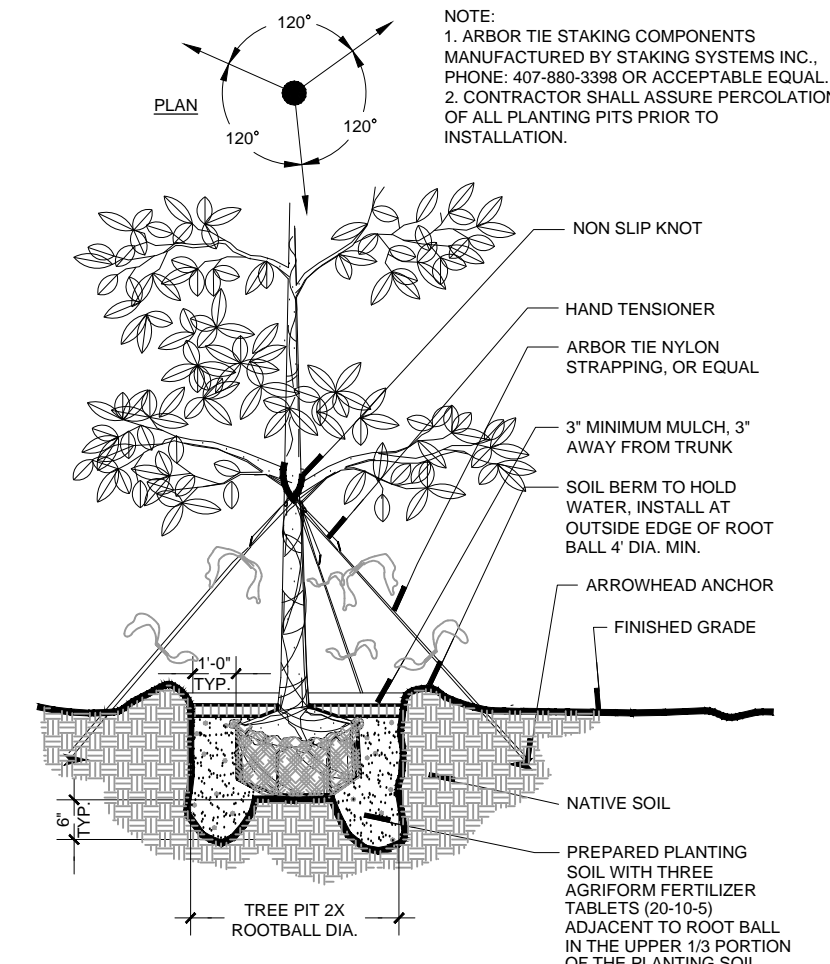


Sheet Number
3 of 10

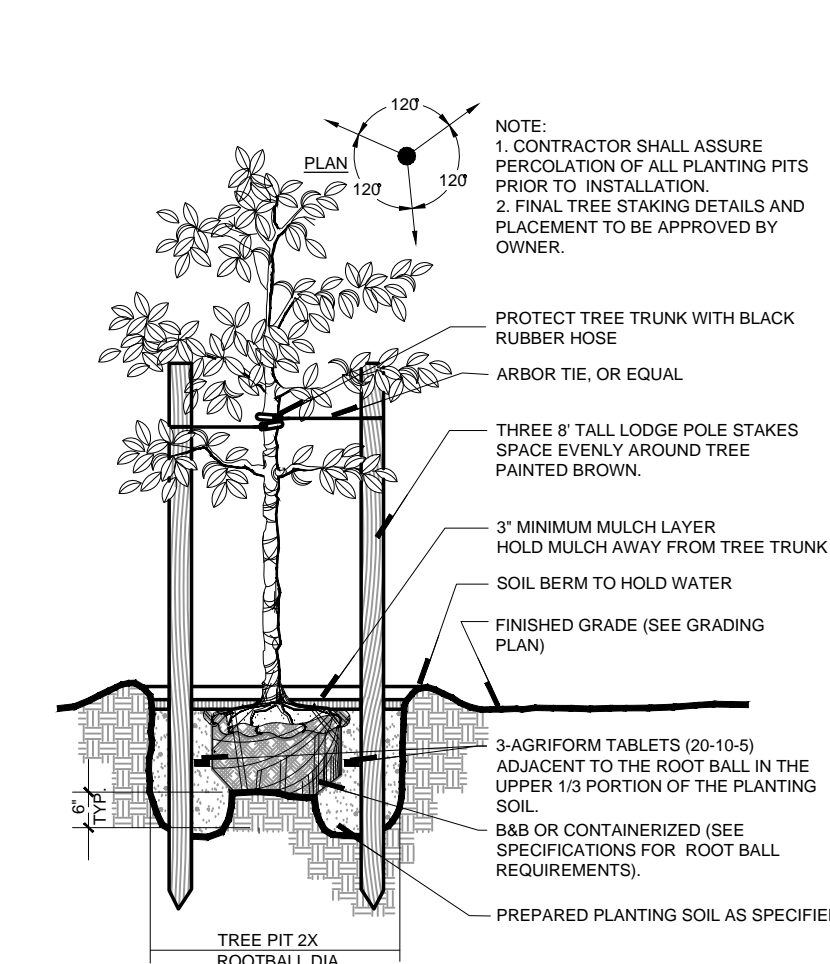
Copyright 2013, Magley Design. All ideas and designs indicated or represented by this drawing remain the property of and are the instruments of service of Magley Design and were developed for use with this specific project. These ideas, designs, and plans are not to be used, reproduced, altered or transferred in any manner whatsoever without the express written consent of Magley Design. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions shown by the drawings. Shop details must be submitted to this office for approval prior to fabrication unless otherwise provided for under the specific contractual agreement between the Landscape Architect and the Client.

TYPICAL LANDSCAPE NOTES:

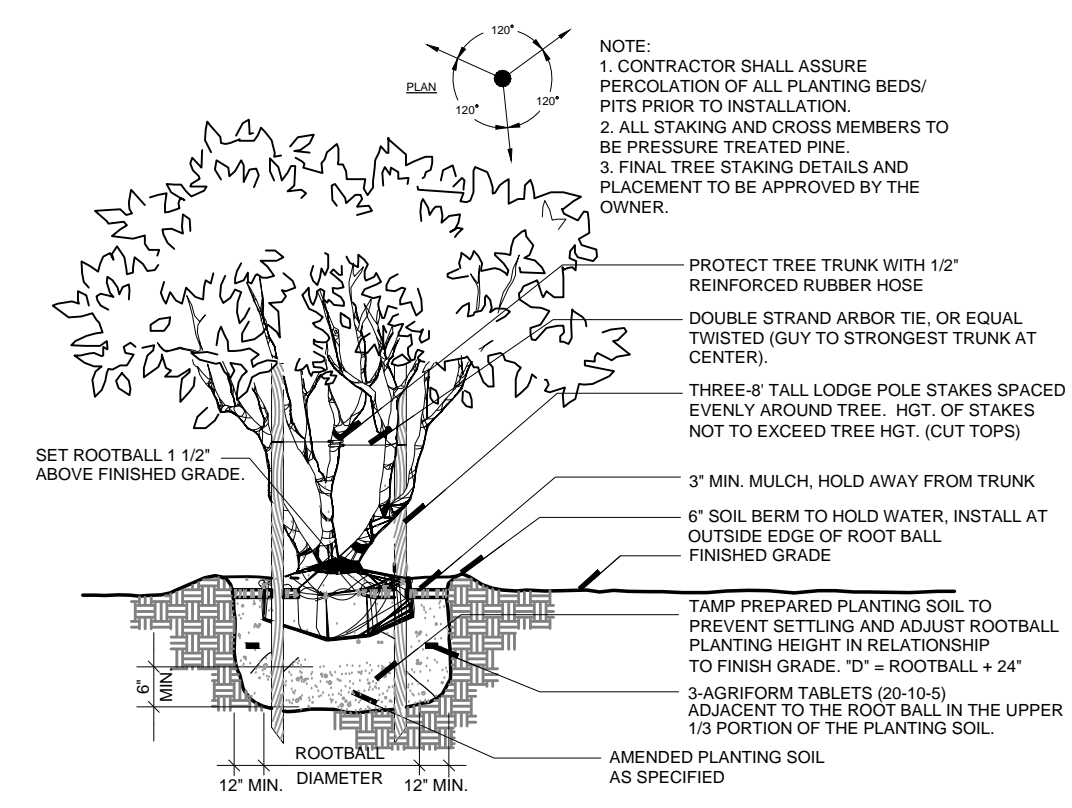
- ALL TREE CALIPER SIZES NOTED ARE MINIMUM. INCREASE SIZE OR ANY OTHER SPECIFICATIONS AS REQUIRED, PROVIDING MINIMUM PLANT SIZE AND SPECIFICATIONS.
- ALL CONTAINER SIZES NOTED ARE MINIMUM. INCREASE SIZE OF POT AS REQUIRED, PROVIDING MINIMUM PLANT SIZE AND SPECIFICATIONS. ALL HEIGHT AND SPREAD SPECIFICATIONS ARE MINIMUM.
- SHRUB AND GROUND COVER BED QUANTITIES ARE INDICATED FOR EACH PLANT BED. ALL PLANT QUANTITIES FOR PROPOSALS SHALL BE DERIVED SOLELY FROM DRAWINGS AND SPECIFICATIONS.
- SHRUB AND GROUND COVER SPACING IS INDICATED ON THE PLANT LIST AND SHALL APPLY FOR ALL "MASS PLANTING" BEDS.
- OWNERS REPRESENTATIVE MUST TAG AN EXAMPLE OF EACH PALM SPECIES ACCORDING TO THE SPECIFICATIONS IN THE PLANT LIST.
- SEE PLANT LIST DETAILS AND SPECIFICATIONS FOR FURTHER PLANTING INFORMATION.
- LOCATION OF ALL UTILITIES AND BASE INFORMATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS AND COORDINATE WITH OWNERS REPRESENTATIVE PRIOR TO INITIATING INSTALLATION WORK. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY DAMAGE COMMITTED TO EXISTING ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTORS EXPENSE AND SHALL BE COORDINATED WITH THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LOCATION OF ALL PLANT MATERIAL IS SUBJECT TO FIELD CHANGE.
- LANDSCAPE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE IRRIGATION CONTRACTOR AND ALL OTHER TRADES.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED UNTIL PLANT MATERIALS ARE WELL ESTABLISHED, TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL LANDSCAPE AREAS WHERE THE EXISTING OR PROPOSED IRRIGATION IS FOR WHATEVER REASON NOT OPERATING CORRECTLY.
- CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED AS DIRECTED DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER OR OWNERS REPRESENTATIVE.
- ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, CURRENT EDITION.
- CONTRACTOR SHALL REMOVE EXISTING SOD AND/OR VEGETATION IN ALL AREAS TO BE PLANTED WITH SHRUB/GROUNDCOVERS AND/OR ALL AREAS TO BE MULCHED.
- CONTRACTOR SHALL REPLACE SOD IN ALL AREAS WHERE EXISTING VEGETATION IS REMOVED OR RELOCATED, WHERE EXISTING LAWN AREAS ARE DAMAGED BY HIS WORK, AND WHERE NEW VEGETATION IS INSTALLED (UNLESS OTHERWISE NOTED ON PLANS) WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADING ALL SUCH AREAS TO BLEND BOTH ELEVATIONS AND SOD INTO EXISTING SURROUNDING LAWN AREAS.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS. PRIOR TO COMMENCEMENT OF THE LANDSCAPING WORK. FOR EVERY BLOCK SECTION OF STREET THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS FOR AT LEAST THREE AREAS UNDISTURBED BY PREVIOUS WORK AND TWO AREAS DISTURBED AND/OR REFILLED. SEE SPECIFICATIONS FOR ADDITIONAL TESTING REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE UNIT PRICES AS REQUESTED WHICH INCLUDE THE TOTAL COST OF THE WORK INCLUDING BUT NOT LIMITED TO ANY AND ALL COSTS FOR EQUIPMENT, MATERIAL, PRODUCTS, OVERHEAD, PROFIT, GUARANTEES, LABOR, INSTALLATION, ETC. TO PROVIDE A COMPLETE JOB AS OUTLINED ON THE DRAWINGS. THE OWNER SHALL HAVE THE OPTION TO ADD OR DEDUCT FROM THE LUMP SUM BID CONTRACT AMOUNT, BASED ON THE QUOTED UNIT PRICES FOR ANY OR THE ITEMS LISTED IN THE "PLANT LIST".
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN BY MEANS APPROVED BY THE OWNER/OWNERS REPRESENTATIVE AND AS DETAILED IN THE DRAWINGS.
- CONTRACTOR SHALL CLEAN, PRUNE, AND SHAPE EDGES OF EXISTING VEGETATION AS DIRECTED BY OWNERS REPRESENTATIVE. CREATE SMOOTH BED LINES AROUND EXISTING VEGETATION.
- CONTRACTOR AND EMPLOYEE VEHICLE PARKING SHALL BE COORDINATED WITH THE OWNER OR OWNERS REPRESENTATIVE. SHUTTLING OF EMPLOYEES TO THE PROJECT AREAS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL NOT DISRUPT OR CONFLICT IN ANY WAY WITH EXISTING TRAFFIC.
- CONSTRUCTION ACCESS SHALL BE INDICATED BY THE OWNER. COORDINATION OF HEAVY EQUIPMENT AND MATERIALS SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF WORK WITH OTHER TRADES AND THE OWNER OR OWNERS REPRESENTATIVE.
- THE CONTRACTOR SHALL TAKE WHATEVER MEANS THAT MAY BE NECESSARY TO FULLY UNDERSTAND ALL THE ACCESS ROUTES AND CONSTRUCTION SCHEDULES IN ORDER TO PROVIDE A COMPLETE AND FINISHED PROJECT ON SCHEDULE.
- PINE STRAW MULCH OR APPROVED EQUAL SHALL BE USED (CYPRESS MULCH NOT ALLOWED).



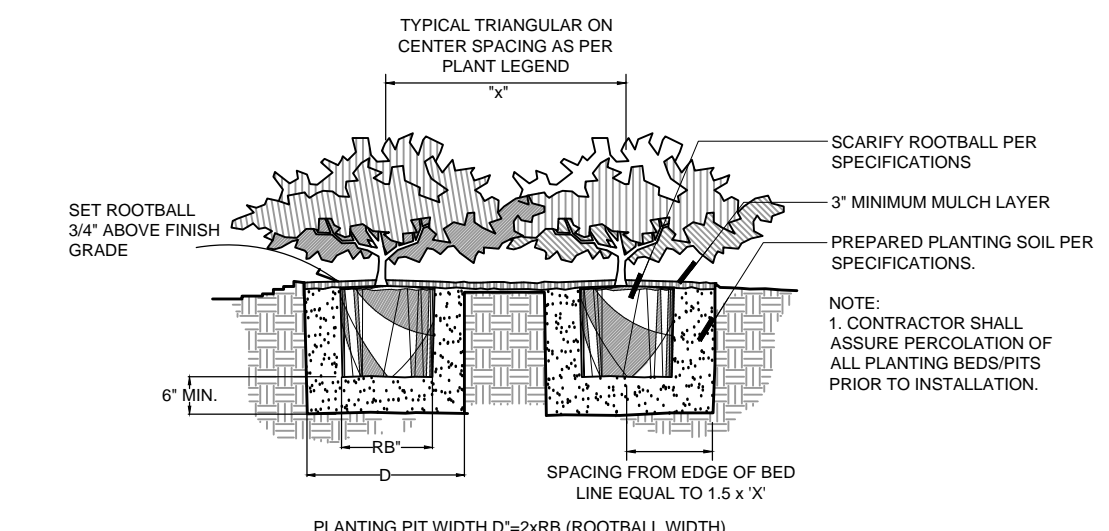
2 LARGE TREE PLANTING DETAIL
Scale: N.T.S.



3 SMALL TREE PLANTING DETAIL
Scale: N.T.S.



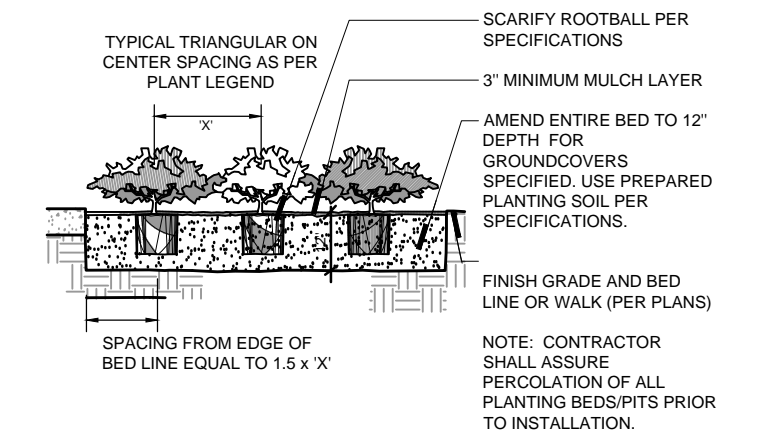
4 MULTI-TRUNK TREE PLANTING DETAIL
Scale: N.T.S.



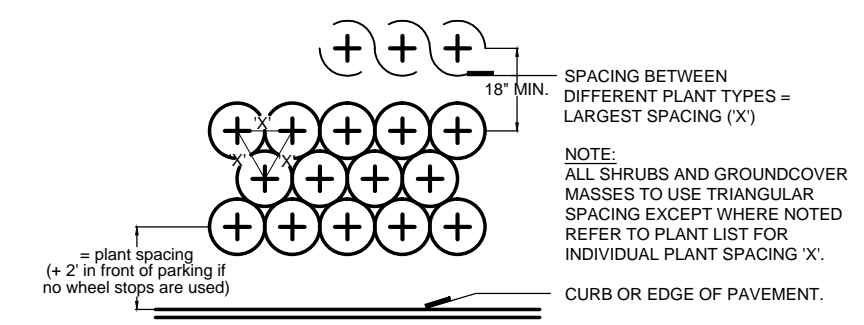
5 SHRUB PLANTING DETAIL
Scale: N.T.S.

| PLANT SCHEDULE | | | | | | | | | |
|----------------|-----|----------------|-------------|---------|-------|---------------|-------------|--------|---------|
| TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT. | CAL | SPECIFICATION | WATER USAGE | NATIVE | REMARKS |
| ACE RUB | 14 | ACER RUBRUM | RED MAPLE | 65 GAL. | 4\"/> | | | | |

1 LANDSCAPE SCHEDULE



6 GROUND COVER PLANTING DETAIL
Scale: N.T.S.



7 PLANT SPACING DETAIL
Scale: N.T.S.



ROCKER FAMILY TRUST

ROCKERS LOCKERS
LOTS 3, 4, 5
GREEN VALLEY COMMONS
GROVELAND, FLORIDA

SITE PLANS

Sheet Title:
LANDSCAPE NOTES & DETAILS

Date: October 12, 2015

Revisions:

| | |
|------|------------------|
| No.: | Date: |
| 1 | January 26, 2015 |
| 2 | March 7, 2016 |
| 3 | June 15, 2016 |
| 4 | July 15, 2016 |

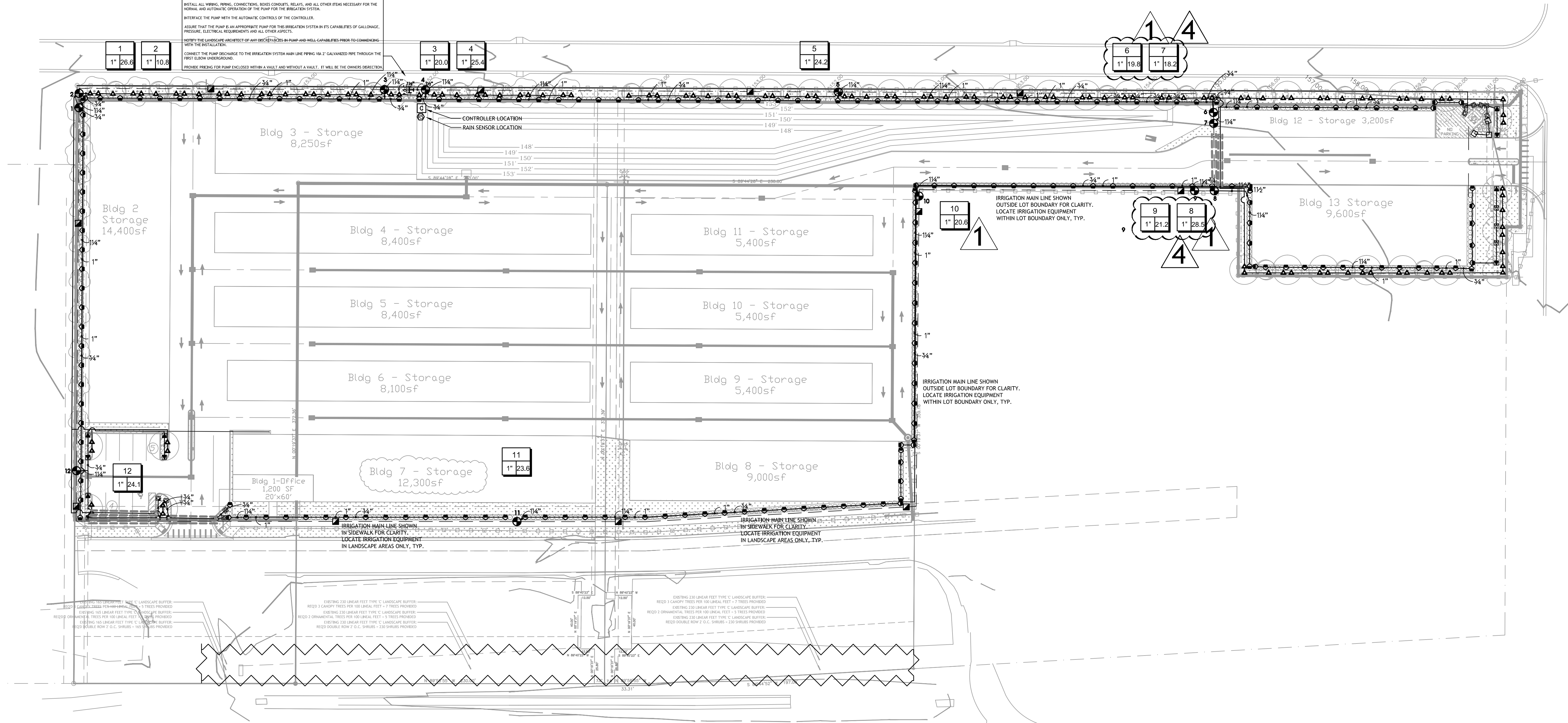
Seal
James R Magley
State of Florida Lic. No. LA 0001300

Always call 811 two full business days before you dig
Sunshine811.com

Sheet Number
L2

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DRILL A 5" WELL IN THIS AREA. WELL DRILLER SHALL VERIFY 100' SET DEPTH WILL PROVIDE MINIMUM 17' PUMP SUBMERGENCE AT FULL FLOW ACCOUNTING FOR SEASONAL WATER FLUCTUATION.
 PUMP SHALL BE ONE HOOPER MODEL HF7-7.5CV-230/3-W-012-2 OR APPROVED EQUAL. SEE SHEET IS FOR SPECIFICATIONS OF PUMP. THE PUMP SHALL DELIVER AN ESTIMATED 35 GPM @ 40 PSI AT THE STATION DISCHARGE AT 150' LIFT.
 INSTALL ALL WIRING, WIRING CONNECTIONS, BUSES, CONDUITS, RELAYS, AND ALL OTHER ITEMS NECESSARY FOR THE NORMAL AND AUTOMATIC OPERATION OF THE PUMP FOR THE IRRIGATION SYSTEM.
 INTERFACE THE PUMP WITH THE AUTOMATIC CONTROLS OF THE CONTROLLER.
 ASSURE THAT THE PUMP IS AN APPROPRIATE PUMP FOR THE IRRIGATION SYSTEM IN ITS CAPABILITIES OF GALLONS, PRESSURE, ELECTRICAL REQUIREMENTS AND ALL OTHER ASPECTS.
 NOTIFY THE LANDSCAPE ARCHITECT OF ANY PROBLEMS WITH THE PUMP AND WELL CAPABILITIES PRIOR TO COMMENCING WITH THE INSTALLATION.
 CONNECT THE PUMP DISCHARGE TO THE IRRIGATION SYSTEM MAIN LINE PIPING VIA 2" GALVANIZED PIPE THROUGH THE FIRST FLOOR UNDERGROUND.
 PROVIDE PIPING FOR PUMP ENCLOSED WITHIN A VAULT AND WITHOUT A VAULT. IT WILL BE THE OWNERS DECISION.



ROCKER FAMILY TRUST

ROCKERS LOCKERS
 LOTS 3, 4, 5
 GREEN VALLEY COMMONS
 GROVELAND, FLORIDA

SITE PLANS

Sheet Title:
IRRIGATION PLAN

Date: October 12, 2015

Revisions:

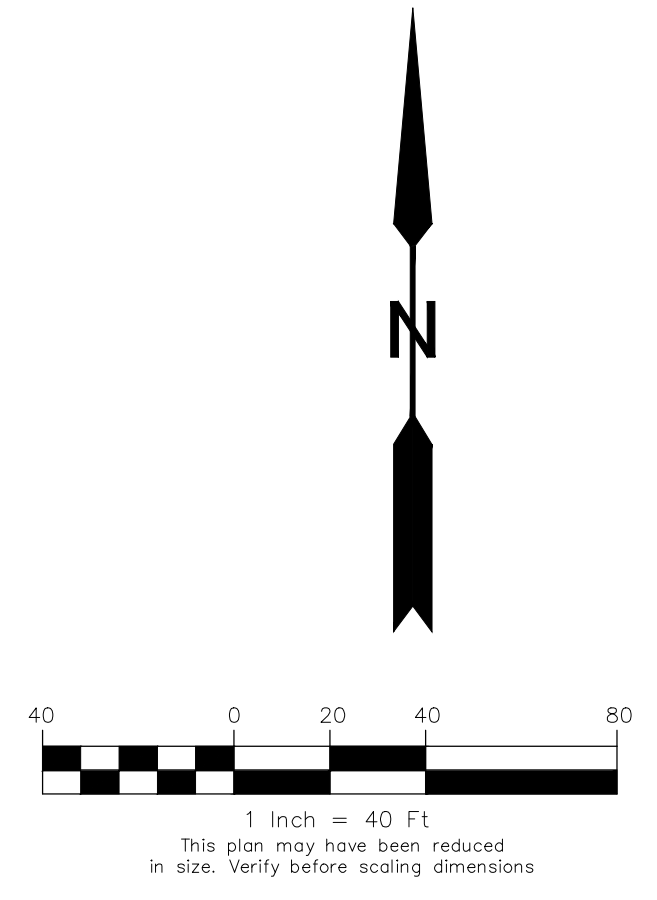
| No.: | Date: |
|------|------------------|
| 1 | January 26, 2015 |
| 4 | July 15, 2016 |

Seal

James R Magley
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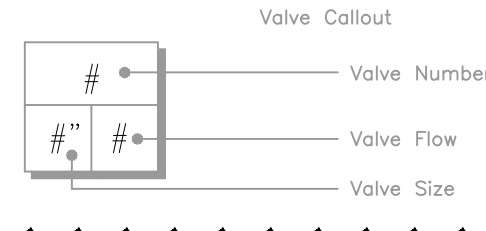
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TYPICAL IRRIGATION NOTES:

- UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE AS INDICATED ON DRAWINGS.
- ANY TREES TO REMAIN WITHIN LIMIT OF WORK SHALL BE VERIFIED IN THE FIELD AND PROTECTED FROM DAMAGES.
- ALL PROJECT BASE INFORMATION PROVIDED BY THE OWNER.
- REFER TO ENGINEERING DRAWINGS FOR ALL UTILITY LOCATIONS, AND VERIFY IN THE FIELD PRIOR TO COMMENCING WORK. REFER TO ENGINEERING DRAWINGS FOR FINAL GRADING AND SPOT ELEVATIONS. VERIFY IN THE FIELD PRIOR TO CONSTRUCTION.
- THE CONTRACTOR, PRIOR TO BEGINNING ANY UNDERGROUND EXCAVATION, DIGGING, OR BORING MUST FIRST OBTAIN ALL REQUIRED PERMITS. WORK IS NOT AUTHORIZED PRIOR TO THE ISSUANCE OF PERMIT(S). THE CONTRACTOR SHALL COMPLY WITH FL 77-153 REGARDING NOTIFICATIONS OF EXISTING GAS AND OIL PIPELINE COMPANY OWNERS. EVIDENCE OF SUCH NOTICE SHALL BE FURNISHED TO THE OWNER PRIOR TO EXCAVATING. THE CONTRACTOR SHALL COORDINATE FULLY WITH THE OWNER FOR ALL EXCAVATION PERMITS AND NOTIFICATIONS NECESSARY PRIOR TO INITIATING ALL WORK.
- VERIFY GALLONAGE AND PRESSURE AVAILABILITY AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.
- POP-UP SPRINKLER HEADS AND LATERALS SHALL BE INSTALLED 6" FROM EDGE OF PAVEMENT OR WALKS AND FLUSH WITH FINISH GRADE.
- THE LOCATION OF ALL CONTROLLERS SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE THE INSTALLATION, LOCATION, AND CONNECTION OF THE POWER SOURCE AND SERVICE WITH THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE THE INSTALLATION, LOCATION, AND CONNECTION OF THE TELEPHONE COMMUNICATION WIRE AND SERVICE WITH THE OWNER'S REPRESENTATIVE AND THE COMMUNICATIONS PROVIDER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE AND INTEGRATE THE OPERATION SCHEDULE OF THE IRRIGATION CONTROL SYSTEM PER THE OWNER'S REPRESENTATIVE'S DIRECTION AND APPROVAL.
- FIELD ALTERATIONS MADE IN THE IRRIGATION CONTRACT DRAWINGS MUST BE IN THE BEST INTEREST OF THE PLANT MATERIAL, SOD AND LANDSCAPE IRRIGATION SYSTEM. CHANGES MADE BY THE IRRIGATION CONTRACTOR SHALL BE APPROVED BY THE OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- NO MATERIAL SUBSTITUTIONS ARE ALLOWED. ANY ALTERATION DEEMED BY THE OWNERS REPRESENTATIVE NOT IN CONFORMANCE WITH THE ABOVE CRITERIA SHALL BE REMOVED AND REPLACED AT THE IRRIGATION CONTRACTOR'S EXPENSE. IF QUESTIONS ARISE AS TO THE BEST WAY TO COMPLETE A FIELD ALTERATION, CONTACT THE OWNERS REPRESENTATIVE FOR APPROVAL.
- THE LOCATION OF ALL PLANT MATERIAL SHALL BE FIELD STAKED BY THE LANDSCAPE CONTRACTOR FOR APPROVAL BY THE OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM.
- RISER-MOUNTED SPRAY HEADS SHALL BE UTILIZED AS REQUIRED:
 - IN PLANTING BEDS ADJACENT TO BUILDING OR STRUCTURES ONLY.
 - TO BE INSTALLED 6" ABOVE PLANT HEIGHT AT TIME OF PLANTING.
 - RISER TO BE OF SCHEDULE 40 PVC AND PAINTED GREEN.
 - INSTALLED 12" FROM EDGE OF BUILDING WALL.
- HIGH POP-UP SPRAYS SHALL BE UTILIZED AS REQUIRED:
 - IN PLANTING BEDS WHERE SPRAY HEAD IS IN LOW PLANTING OR GROUND COVER (MATURE PLANT HEIGHT IS 1" - 18").
 - IN PARKING ISLANDS CONTAINING GROUND COVER PLANTING.
 - WHERE IT IS ADVANTAGEOUS TO CONCEAL SPRINKLER HEADS DUE TO HIGH PEDESTRIAN TRAFFIC, VISIBILITY, VANDALISM AND MAINTENANCE, INSTALL SPRAY HIGH POP-UP RISER SO THAT HIGH POP-UPS SPRING ABOVE PLANT MATERIAL.
- CHANGES IN HEAD PLACEMENT OR A SPRAY SUBSTITUTION SHOULD ALWAYS TAKE INTO CONSIDERATION:
 - WHAT IS BEST FOR THE GROWTH AND MAINTENANCE OF THE SOD AND PLANT MATERIAL.
 - MAINTAINING A CONSTANT AND EVEN WATER DISTRIBUTION AND PRECIPITATION RATE (I.E., NEVER PUT ROTORS AND SPRAYS IN SAME ZONE)
- INSTALL ALL CONNECTED PIPING SHOWN BETWEEN DIFFERENT PIPE SIZES LABELS AS THE LARGER OF THE TWO SIZES OF PIPE.
- INSTALL ALL PIPING TO INDIVIDUAL SPRAY HEADS AND BUBBLERS AS 3/4"
- EACH TYPE OF ZONE IS TO BE PIPED SEPARATELY. DO NOT INTERCONNECT DIFFERENT TYPES OF ZONES (I.E., ROTORS AND SPRAYS).
- ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.
- PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNERS REPRESENTATIVE.
- VALVES ARE SHOWN OUTSIDE OF PLANT BEDS FOR GRAPHIC CLARITY. INSTALL ALL VALVES AND VALVE BOXES IN LAWN AREAS, NOT PLANTING BEDS.
- THE CONTRACTORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CODES, INCLUDING THOSE REGARDING SEPARATION DISTANCE MINIMUMS FOR POTABLE WATER VERSUS EFFLUENT WATER AND SHALL INSTALL THE SYSTEM IN ACCORDANCE WITH THOSE CODES.
- INSTALL 12" POP-UP SPRAY HEADS AT FINISHED GRADE IN ALL GROUND COVER AREAS.
- INSTALL ALL SPRAYHEADS IN SHRUB BEDS ON RISERS ALONG BUILDING SIDEWALLS.
- SPACE ALL SPRAY HEADS AT A MAXIMUM OF 55% OF THEIR EFFECTIVE COVERAGE DIAMETER OR CLOSER WHERE SHOWN AS SUCH ON THE PLANS.
- ALL BAHIA SOD WILL NOT BE IRRIGATED, UNLESS SHOWN OTHERWISE. CONTRACTOR WILL BE RESPONSIBLE FOR HAND WATERING UNTIL IT IS WELL ENOUGH ESTABLISHED TO SURVIVE THROUGH THE WARRANTY PERIOD.

IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | ARC | GPM | RADIUS |
|--------|---|------------|-----|------|--------|
| ☉ | RAIN BIRD 1800-PA-85-PRS 15 STRIP SERIES SHRUB SPRAY ON FIXED RISER WITH THE PA-85-PRS PRESSURE REGULATING SHRUB ADAPTER. USE WITH 1/2" MPT THREADED RISERS. | 23 | EST | 0.61 | 4x15' |
| ☉ | RAIN BIRD 1800-PA-85-PRS 15 STRIP SERIES SHRUB SPRAY ON FIXED RISER WITH THE PA-85-PRS PRESSURE REGULATING SHRUB ADAPTER. USE WITH 1/2" MPT THREADED RISERS. | 168 | SST | 1.21 | 4x30' |
| ☉ | RAIN BIRD 1812-SAM-PRS 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 3 | CST | 1.21 | 4x30' |
| ☉ | RAIN BIRD 1812-SAM-PRS 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 10 | EST | 0.61 | 4x15' |
| ☉ | RAIN BIRD 1812-SAM-PRS 8 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 4 | 90 | 0.26 | 8' |
| ☉ | RAIN BIRD 1812-SAM-PRS 10 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 4 | 90 | 0.39 | 10' |
| ☉ | RAIN BIRD 1812-SAM-PRS 12 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 3 | 90 | 0.65 | 12' |
| ☉ | RAIN BIRD 1812-SAM-PRS HE-VAN SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE. | 5 | ADJ | | 8' |
| ▲ | RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE (0.25-2.0GPM), FULL CIRCLE BUBBLER, 1/2" FIPT. | 122 | 360 | 0.25 | 1' |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | | | |
| ☉ | RAIN BIRD PESB-PRS-D 1" 1-1/2" 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. | 12 | | | |
| ☑ | RAIN BIRD 33-DLRC 3/4" 3/4" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY. | 11 | | | |
| C | RAIN BIRD ESP8LXMEF WITH (02) ESPLXMSM4 16 STATION COMMERCIAL CONTROLLER. MOUNTED ON A PLASTIC WALL MOUNT. FLOW SENSING AND WATER MANAGEMENT CAPABILITIES. | 1 | | | |
| ☉ | RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE. | 1 | | | |
| PLS H | IRRIGATION WELL | 1 | | | |
| --- | IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 3/4" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE. | 3,509 L.F. | | | |
| --- | IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 1" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE. | 779.6 L.F. | | | |
| --- | IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 1 1/4" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE. | 787.7 L.F. | | | |
| --- | IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 1 1/2" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE. | 33.0 L.F. | | | |
| --- | IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/2" PVC SCHEDULE 40 IRRIGATION PIPE. | 2,320 L.F. | | | |
| --- | PIPE SLEEVE: BLU-LOCK AND PVC CLASS 200 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION. | 294.9 L.F. | | | |

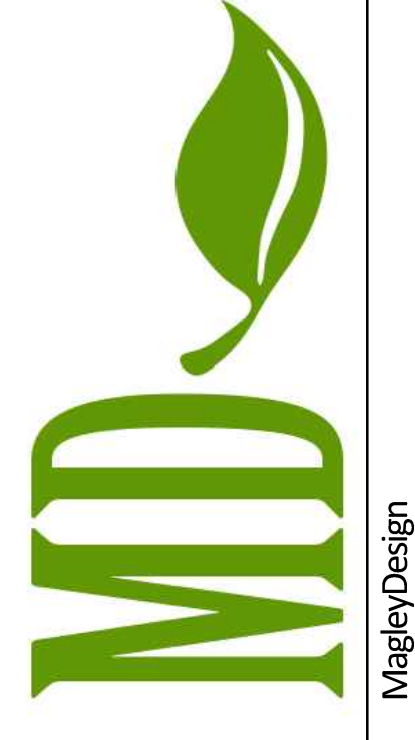


VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | PSI | PSI @ POC | GPM | PRECIP |
|--------|----------------------|------|-------------|-------|-----------|-------|------------|
| 1 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 40.28 | 44.48 | 26.63 | 2.01 in/h |
| 2 | RAIN BIRD PESB-PRS-D | 1" | BUBBLER | 38.75 | 39.51 | 10.75 | 7.66 in/h |
| 3 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 38.77 | 38.99 | 19.97 | 1.87 in/h |
| 4 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.85 | 39.85 | 25.41 | 1.84 in/h |
| 5 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.67 | 40.53 | 24.20 | 1.84 in/h |
| 6 | RAIN BIRD PESB-PRS-D | 1" | BUBBLER | 40.41 | 42.09 | 19.75 | 11.42 in/h |
| 7 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.04 | 40.51 | 18.22 | 1.52 in/h |
| 8 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.90 | 43.67 | 28.47 | 1.83 in/h |
| 9 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 38.42 | 40.67 | 21.19 | 1.88 in/h |
| 10 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.10 | 42.16 | 20.60 | 1.94 in/h |
| 11 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 39.60 | 45.44 | 23.60 | 1.88 in/h |
| 12 | RAIN BIRD PESB-PRS-D | 1" | SHRUB SPRAY | 40.25 | 45.73 | 24.08 | 1.62 in/h |

CRITICAL ANALYSIS

| | |
|------------------------------------|------------------|
| Generated: | 2016-07-14 17:10 |
| P.O.C. NUMBER: 01 | |
| Water Source Information: | IRRIGATION WELL |
| FLOW AVAILABLE | |
| Custom Max Flow: | 30.00 gpm |
| Flow Available: | 30.00 gpm |
| PRESSURE AVAILABLE | |
| Static Pressure at POC: | 50.00 psi |
| Pressure Available: | 50.00 psi |
| DESIGN ANALYSIS | |
| Maximum Station Flow: | 25.28 gpm |
| Flow Available at POC: | 30.00 gpm |
| Residual Flow Available: | 4.72 gpm |
| Pressure Req. at Critical Station: | 39.90 psi |
| Loss for Fittings: | 0.74 psi |
| Loss for Main Lines: | 7.38 psi |
| Loss for POC to Valve Elevation: | 0.00 psi |
| Loss for Backflow: | 0.00 psi |
| Critical Station Pressure at POC: | 48.02 psi |
| Pressure Available: | 50.00 psi |
| Residual Pressure Available: | 1.98 psi |



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GREEN VALLEY COMMONS
GROVELAND, FLORIDA

SITE PLANS

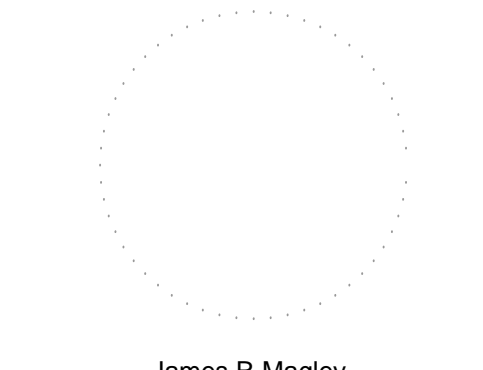
Sheet Title:

IRRIGATION NOTES

Date: October 12, 2015

| Revisions: | No.: | Date: |
|------------|------|------------------|
| | 1 | January 26, 2015 |
| | 4 | July 15, 2016 |

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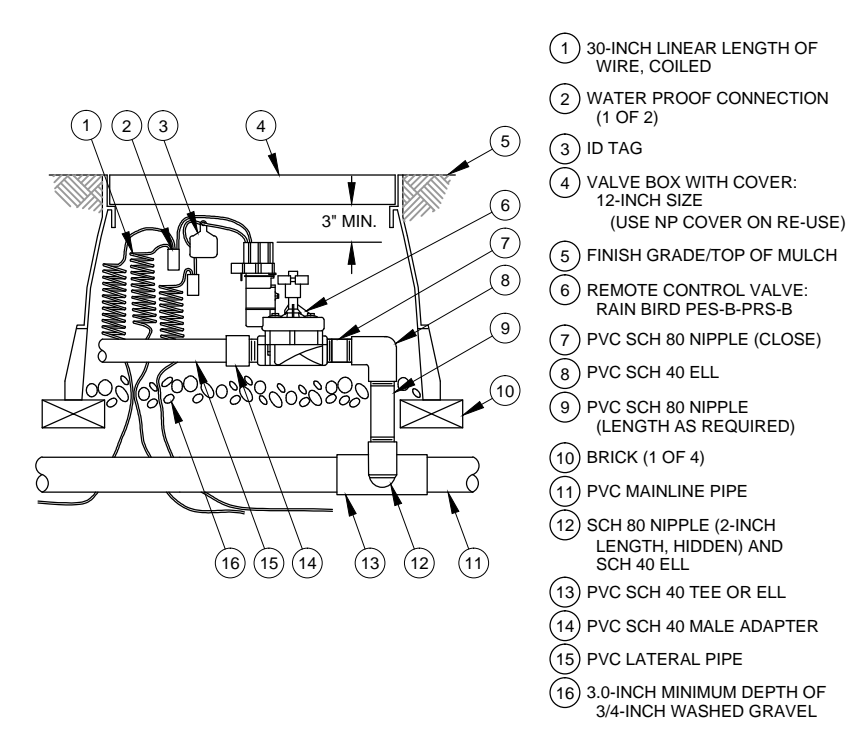
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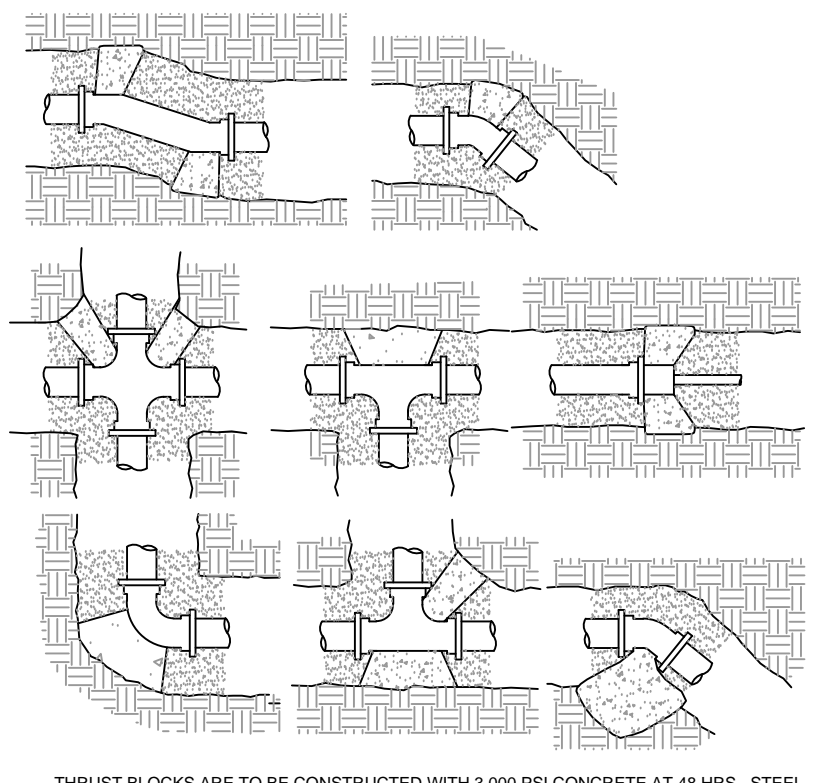
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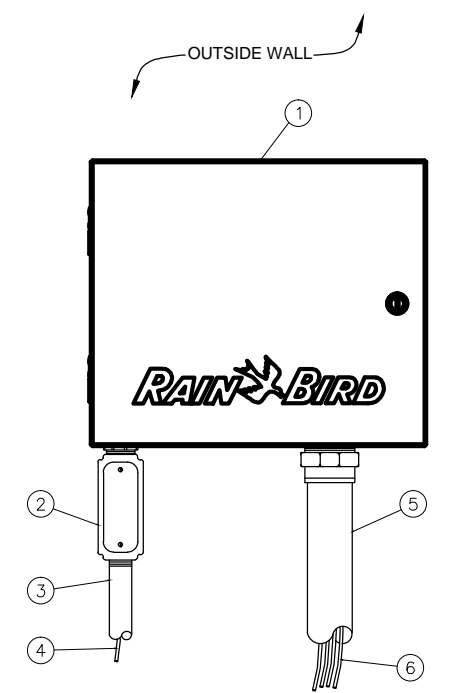


- 1 30-INCH LINEAR LENGTH OF WIRE COILED
- 2 WATER PROOF CONNECTION (1 OF 2)
- 3 1/2" TAG
- 4 VALVE BOX WITH COVER: 12-INCH SIZE (USE NP COVER ON RE-USE)
- 5 FINISH GRADE/TOP OF MULCH
- 6 REMOTE CONTROL VALVE: RAIN BIRD PES-B-PRS-B
- 7 PVC SCH 80 NIPPLE (CLOSE)
- 8 PVC SCH 40 ELL
- 9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 10 BRICK (1 OF 4)
- 11 PVC MAINLINE PIPE
- 12 SCH 80 NIPPLE (2-INCH LENGTH HIDDEN) AND SCH 40 ELL
- 13 PVC SCH 40 TEE OR ELL
- 14 PVC SCH 40 MALE ADAPTER
- 15 PVC LATERAL PIPE
- 16 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

NOTE: ALL PIPE TRENCHING SHALL CONFORM TO THE CITY OF GROVELAND MANUAL OF STANDARDS, APPENDIX A, GENERAL DETAILS.



THRUST BLOCKS ARE TO BE CONSTRUCTED WITH 3,000 PSI CONCRETE AT 48 HRS. STEEL REINFORCING RODS WILL BE REOD IF SURROUNDING SOIL HAS A BEARING VALUE OF LESS THAN 2,000 PSF. THRUST BLOCKS REQUIRED AT ALL FITTINGS AND DIRECTION CHANGES ON MAIN LINES. THRUST BLOCK LOCATIONS SHALL BE NOTED ON AS-BUILT DRAWINGS.



- 1 IRRIGATION CONTROLLER: RAIN BIRD ESP-LXME CONTROLLER IN LXMM METAL CABINET WITH OUTSIDE WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- 2 JUNCTION BOX
- 3 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
- 4 POWER SUPPLY WIRE
- 5 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
- 6 WIRES TO REMOTE CONTROL VALVES

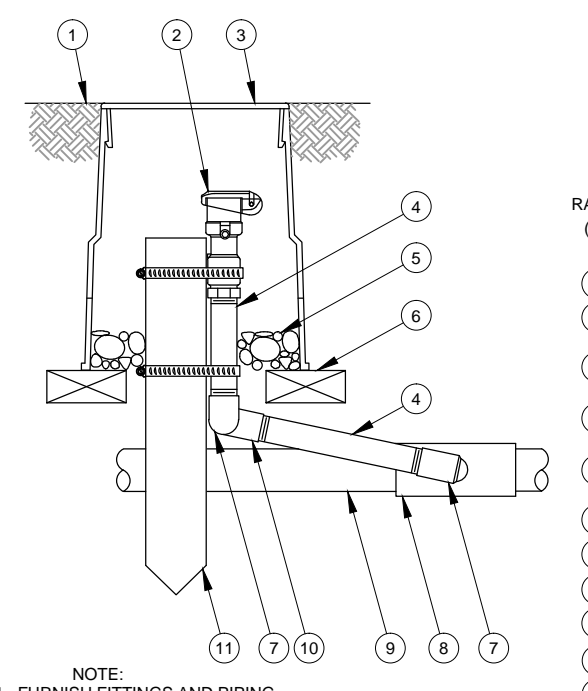
NOTES:
 1. ESP-LXME CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
 2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI-CONDUCTOR WIRE TO BE USED IN CONTROLLER.
 3. USE STEEL CONDUIT FOR ABOVE-GRADE AND SCH 40 PVC CONDUIT FOR BELOW-GRADE CONDITIONS.
 4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

1 REMOTE CONTROL VALVE Scale: N.T.S.

2 TYPICAL TRENCHING DETAIL Scale: N.T.S.

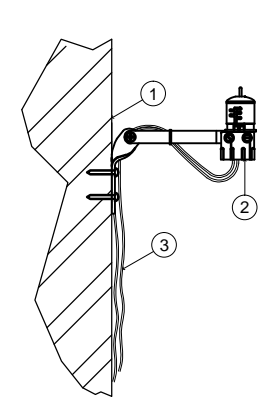
3 TYPICAL THRUST BLOCK DETAIL Scale: N.T.S.

4 ESP-LXME CONTROLLER IN METAL CABINET Scale: N.T.S.



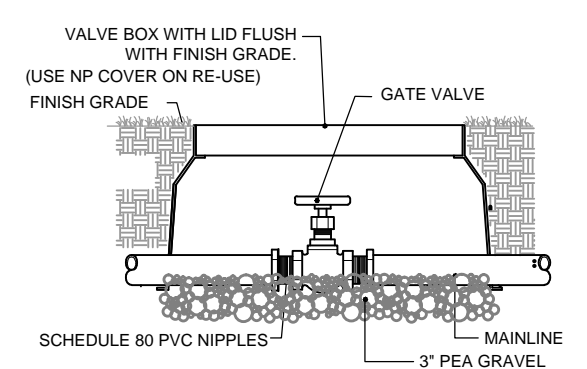
- 1 FINISH GRADE/TOP OF MULCH (USE NP COVER ON RE-USE)
- 2 QUICK-COUPLING VALVE: RAIN BIRD MODEL SNP
- 3 VALVE BOX WITH COVER: 10-10RNDP
- 4 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 5 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 6 BRICK (1 OF 2)
- 7 PVC SCH 40 STREET ELL
- 8 PVC SCH 40 TEE OR ELL
- 9 PVC MAINLINE PIPE
- 10 PVC SCH 40 ELL
- 11 2" x 2" REDWOOD STAKE W/ STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

NOTE:
 1. FURNISH FITTINGS AND PIPING NORMALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.



- 1 EXTERIOR WALL (SEE NOTE)
- 2 MODEL RSD-BEX
- 3 RUN LEAD WIRES TO CONTROLLER

NOTE:
 MOUNT SENSOR ON SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY.

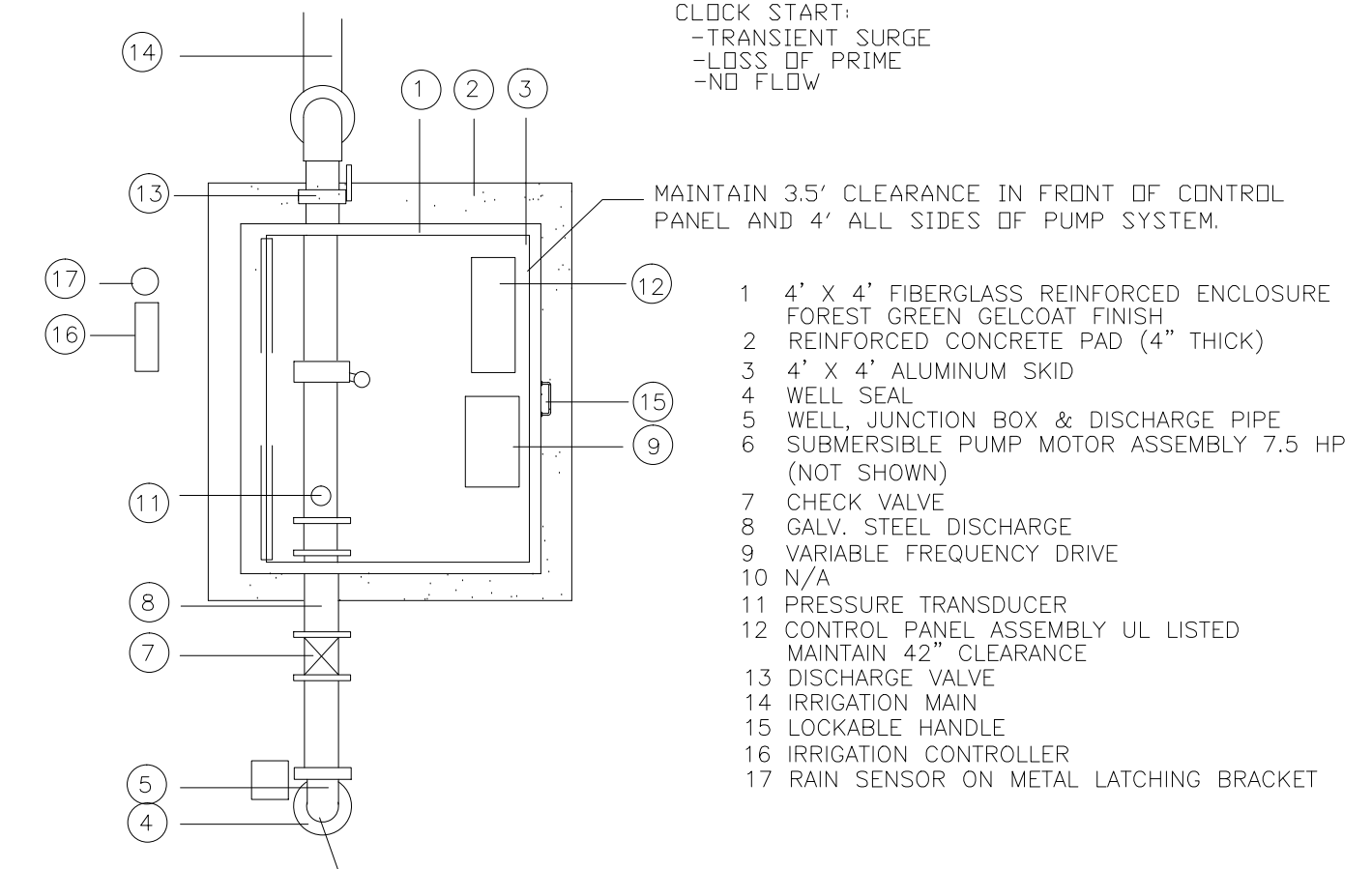


- 1 VALVE BOX WITH LID FLUSH WITH FINISH GRADE (USE NP COVER ON RE-USE)
- 2 GATE VALVE
- 3 SCHEDULE 80 PVC NIPPLES
- 4 MAINLINE
- 5 3" PEA GRAVEL

NOTE: DISCHARGE PIPES & HEADER TO IRRIGATION MAIN SHALL BE SCHED 40 GALVANIZED STEEL PIPE WITH GALV. ROLL GROOVE FITTINGS. PUMP DROP PIPE SHALL BE HDPE HEAT FUSED. SET PUMP 150' ON 2" PIPE. INSTALL MOTOR CABLE SPLICE BETWEEN MOTOR AND CONTROL PANEL IN NEMA 4X JUNCTION BOX ADJACENT TO WELL IN ACCORDANCE WITH ELECTRICAL CODES.
 WELL DRILLER SHALL NOTIFY THE PUMP SYSTEM MANUFACTURER IN WRITING WITHIN 24 HOURS OF DEVELOPING THE WELL IF THE WELL PUMPING LEVEL IS GREATER THAN 126' BELOW FINISHED GRADE AFTER 8 HOURS OF CONTINUOUS PUMPING AT 150% OF THE DESIGN FLOW BELOW.

PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEM
 * OPTIONAL FEATURES ARE INCLUDED IF MARKED WITH AN "X"
 X PRESSURE CONTROL VALVE
 X IRRIGATION CONTROLLER RAIN BIRD ESP-LXME 16 STATIONS, AND RAIN SENSOR ON METAL LATCHING BRACKET.
 X PRESSURE TANKS FOR PRESSURE DEMAND SYSTEM

SAFETY FEATURES:
 -CLOCK START
 -TRANSIENT SURGE
 -LOSS OF PRIME
 -NO FLOW



- 1 4' x 4' FIBERGLASS REINFORCED ENCLOSURE FOREST GREEN GELCOAT FINISH
- 2 REINFORCED CONCRETE PAD (4" THICK)
- 3 4' x 4' ALUMINUM SKID
- 4 WELL SEAL
- 5 WELL JUNCTION BOX & DISCHARGE PIPE
- 6 SUBMERSIBLE PUMP MOTOR ASSEMBLY 7.5 HP (NOT SHOWN)
- 7 CHECK VALVE
- 8 GALV. STEEL DISCHARGE
- 9 VARIABLE FREQUENCY DRIVE
- 10 N/A
- 11 PRESSURE TRANSDUCER
- 12 CONTROL PANEL ASSEMBLY UL LISTED MAINTAIN 42" CLEARANCE
- 13 DISCHARGE VALVE
- 14 IRRIGATION MAIN
- 15 LOCKABLE HANDLE
- 16 IRRIGATION CONTROLLER
- 17 RAIN SENSOR ON METAL LATCHING BRACKET

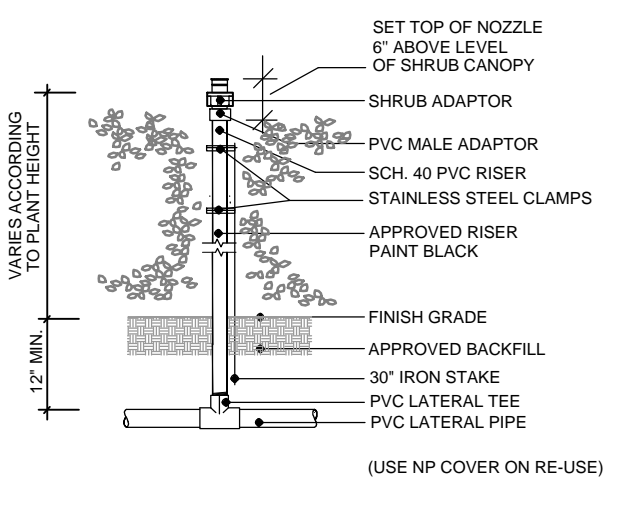
MAINTAIN 3.5' CLEARANCE IN FRONT OF CONTROL PANEL AND 4' ALL SIDES OF PUMP SYSTEM.
 MINIMUM 5" DIAMETER
 PLAN VIEW NTS
 PUMP PERFORMANCE
 35 GPM @ 290 TDH, 60 PSI
 ELECTRIC SERVICE TO BE, IN ORDER OF PREFERENCE:
 460V 3-PHASE, 230V CLOSED-DELTA 3-PHASE, 208 WYE 3-PHASE,
 230 1-PHASE, 208V 1-PHASE, 230 OPEN-DELTA 3-PHASE.

5 QUICK COUPLER VALVE Scale: N.T.S.

6 WALL MOUNTED RAIN SENSOR Scale: N.T.S.

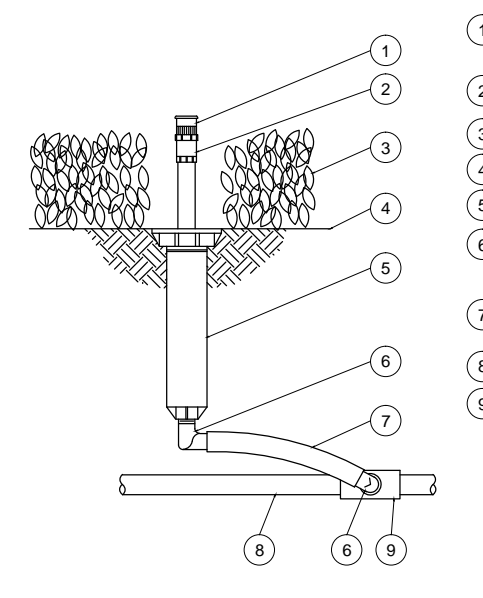
7 GATE VALVE Scale: N.T.S.

4 ESP-LXME CONTROLLER IN METAL CABINET Scale: N.T.S.

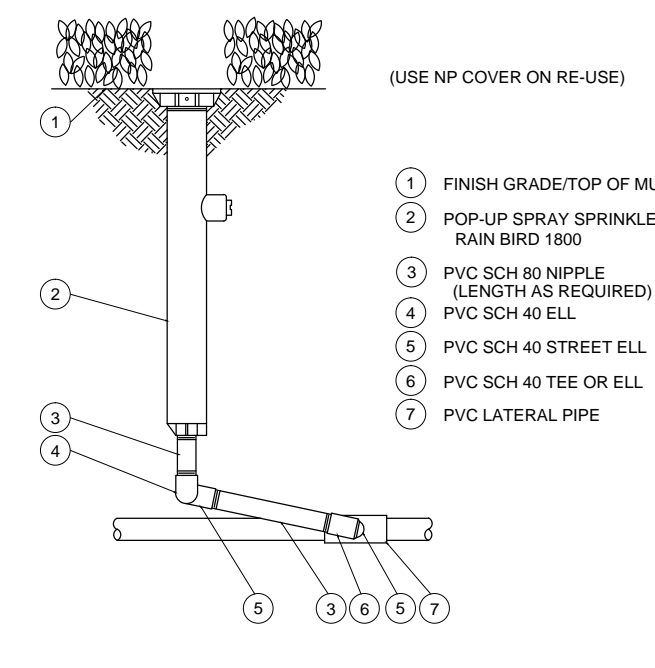


- 1 SET TOP OF NOZZLE 6" ABOVE LEVEL OF SHRUB CANOPY
- 2 SHRUB ADAPTOR
- 3 PVC MALE ADAPTOR
- 4 SCH 40 PVC RISER
- 5 STAINLESS STEEL CLAMPS
- 6 APPROVED RISER PAINT BLACK
- 7 FINISH GRADE
- 8 APPROVED BACKFILL
- 9 30" IRON STAKE
- 10 PVC LATERAL TEE
- 11 PVC LATERAL PIPE

(USE NP COVER ON RE-USE)



- 1 PRESSURE COMPENSATING FULL-CIRCLE BUBBLER: RAIN BIRD 1400
- 2 PLASTIC ADAPTER: RAIN BIRD MODEL PA-09
- 3 PLANT MATERIAL
- 4 FINISH GRADE/TOP OF MULCH
- 5 POP-UP SPRAY SPRINKLER: RAIN BIRD 1800
- 6 1/2-INCH MALE NPT x 400-INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
- 7 SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
- 8 PVC LATERAL PIPE
- 9 PVC SCH 40 TEE OR ELL



- 1 FINISH GRADE/TOP OF MULCH (USE NP COVER ON RE-USE)
- 2 POP-UP SPRAY SPRINKLER: RAIN BIRD 1800
- 3 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 4 PVC SCH 40 ELL
- 5 PVC SCH 40 STREET ELL
- 6 PVC SCH 40 TEE OR ELL
- 7 PVC LATERAL PIPE

8 SHRUB NOZZLE ON FIXED RISER Scale: N.T.S.

9 TYPICAL BUBBLER DETAIL Scale: N.T.S.

10 TYPICAL POP-UP SPRAY HEAD DETAIL Scale: N.T.S.

11 SUBMERSIBLE PUMP SYSTEM DETAIL Scale: N.T.S.



ROCKER FAMILY TRUST

ROCKERS LOCKERS
 LOTS 3, 4, 5
 GREEN VALLEY COMMONS
 GROVELAND, FLORIDA

SITE PLANS

Sheet Title:
IRRIGATION DETAILS

Date: October 12, 2015
 Revisions:
 No.: Date:
 1 January 26, 2015

Seal
 James R Magley
 State of Florida Lic. No.:LA 0001300

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