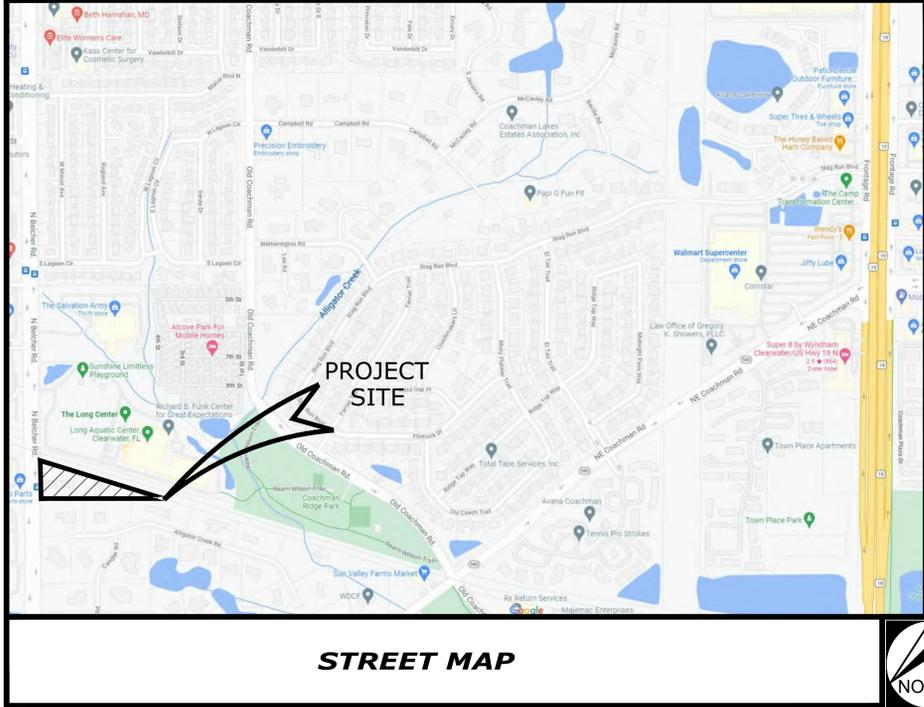


ATMI GREENE

SECTION 07 - TOWNSHIP 29 S - RANGE 16 E PARCEL NO. 07-29-16-01720-000-0001 CITY OF CLEARWATER

LEGAL DESCRIPTION
(OFFICIAL RECORDS BOOK 15778, PAGE 922)
THAT PORTION OF THE NORTHERN 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 29 SOUTH, RANGE 16, EAST, PINELLAS COUNTY, FLORIDA, LYING 50 FEET SOUTHERLY OF AND PARALLEL TO CSX RAILROAD CENTERLINE, LESS THE WEST 55 FEET THEREOF



| INDEX OF SHEETS | |
|-----------------|---|
| C1.1 | CIVIL SITE DATA |
| C2.1 | SITE PREPARATION PLAN |
| C2.2 | TREE REMOVAL PLAN TREE PRESERVATION PLAN & NOTES |
| C2.3 | TREE PRESERVATION & REMOVAL PLAN UNDER PERMIT BCP2016-03676 |
| C3.1 | PROPOSED SITE PLAN |
| C4.1 | GRADING AND DRAINAGE PLAN |
| C5.1 | UTILITY PLAN |
| L1.1 | LANDSCAPE PLAN |
| L1.2 | LANDSCAPE DETAILS |
| IR1.1 | IRRIGATION PLAN |
| IR1.2 | IRRIGATION DETAILS |

OWNER CONTACT
ATMI JUNIOR GREENE HOMEOWNERS ASSN INC
C/O ATMI F KURTISHI
434 SKINNER BLVD STE 105
DUNEDIN FL 34698-4901

DESIGN PROFESSIONALS

| | |
|---|--|
| CIVIL ENGINEER/PLANNER: NORTHSIDE ENGINEERING, INC. 300 SOUTH BELCHER ROAD CLEARWATER, FLORIDA 33765 727-443-2869 | ARCHITECT |
| SURVEY TERMINUS SURVEYING, LLC. 2752 JASON STREET TAMPA, FLORIDA 33619 813-681-4481 | GEOTECH CENTRAL FLORIDA TESTING LABORATORIES, INC. 12625 40TH STREET NORTH CLEARWATER, FLORIDA 33762 727-572-9797 |

FLOOD ZONE INFORMATION
FLOOD ZONE "X"
PER FLOOD INSURANCE RATE MAP 12103C0126G
EFF. 9/3/2003

| SITE DATA | | | |
|---|-------------------------------|-----------------------------------|-------------------------------------|
| MATRIX | EXISTING | PROPOSED | ALLOWED/CODE |
| ZONING: | LDR | LDR | OK |
| USAGE: | VACANT LAND | ATTACHED DWELLINGS FLD REQUEST | FLD REQUEST |
| FUTURE LAND USE: | RL | RL | OK |
| LOT AREA (GROSS): | 88,601.04 S.F. 2.034 ACRES | 88,601.04 S.F. 2.034 ACRES | 10,000 S.F. |
| DENSITY: | - | 10 UNITS | 5 UNITS PER ACRE (10 UNITS) MAX. |
| BLDG. SETBACKS: | FRONT (WEST) | 25.2' | 25' |
| | SIDE (NORTH) | 21.3' | 10' |
| | SIDE (SOUTH) | 13.3' | 10' |
| BLDG. HEIGHT: | - | 30' MAX. | 30' MAX. |
| VEHICULAR USE AREA (VUA): | - | 14,218 S.F. | - |
| INTERIOR LANDSCAPING: | - | 1,450 S.F. | - |
| IMPERVIOUS SURFACE RATIO: (I.S.R.) | - | 34,554 S.F. (0.39) | 0.65 |
| OPEN SPACE: (S.F. & % OF GROSS SITE) | - | 54,047.04 S.F. 61% | 35% |
| PARKING: | - | 22 SPACES | 20 SPACES |
| PARKING CALCULATIONS: 2 SPACES PER EACH UNIT = 20 SPACES (IN GARAGES) | | | |

AGENCY RESPONSE STAMPS

PREVIOUS FLD 2015-09034 A (D.O. APPROVED, AUG.15.2017)

DONALD B. FAIRBAIN, P.E. #44971
REGISTRY # 31,306

| | | |
|-------------|----------|-------------|
| PROJECT # | 2202 | |
| ISSUE DATE: | 05/30/25 | |
| REVISIONS: | | |
| No. | Date | Description |
| | | |
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| | | |
| | | |

CIVIL SITE DATA

ATMI JUNIOR GREENE
1401 N. BELCHER ROAD (FKA)
2236 ATMI JUNIOR GREENE DRIVE,
CLEARWATER, FL 33765

INCHES SPREADSHEET: EXISTING TREE REMOVAL TABLE (BCP2016-03676), PLEASE SEE PLAN ON SHEET C2.3

| TREE NUMBER | TYPE | DBH | RATING | DEFICIT |
|-------------|-------------------|--------|--------|---------|
| 2 | LAUREL OAK | 12" | 2 | N/A |
| 3 | LIVE OAK | 12" | 2 | N/A |
| 4 | LIVE OAK | 15.5" | 4 | 15.5" |
| 5 | SWEETBAY MAGNOLIA | 8" | 2 | N/A |
| 6 | LAUREL OAK | 9" | 5 | 9" |
| 8 | LAUREL OAK | 20" | 3 | 20" |
| 10 | WATER OAK | 10" | 3 | 10" |
| 11 | LIVE OAK | 14" | 4 | 14" |
| 12 | LIVE OAK | 16.75" | 4 | 16.75" |
| 13 | LIVE OAK | 10.5" | 4 | 10.5" |
| 14 | LIVE OAK | 12" | 3 | 12" |
| 15 | LIVE OAK | 10" | 3 | 10" |
| 16 | LAUREL OAK | 15" | 3 | 15" |
| 17 | LAUREL OAK | 8" | 3 | 8" |
| 20 | SLASH PINE | 14" | 2 | N/A |
| 21 | SLASH PINE | 8" | 4 | 8" |
| 22 | SLASH PINE | 7.5" | 4 | 7.5" |
| 23 | LIVE OAK | 10" | 5 | 10" |
| 24 | SLASH PINE | 8.5" | 4 | 8.5" |
| 25 | SLASH PINE | 10" | 4 | 10" |
| 26 | SLASH PINE | 10" | 4 | 10" |
| 27 | LIVE OAK | 15" | 3 | 15" |
| 28 | LAUREL OAK | 17" | 2 | N/A |
| 29 | LAUREL OAK | 6" | 2 | N/A |
| 30 | LAUREL OAK | 16" | 4 | 16" |
| 31 | LIVE OAK | 12" | 5 | 12" |
| 32 | LAUREL OAK | 14" | 2 | N/A |
| 33 | LAUREL OAK | 14" | 3 | 14" |
| 34 | SLASH PINE | 9" | 5 | 9" |
| 35 | LAUREL OAK | 14" | 3 | 14" |
| 36 | LIVE OAK | 8" | 4 | 8" |
| 37 | LIVE OAK | 16" | 3 | 16" |
| 38 | WATER OAK | 9" | 4 | 9" |
| 41 | GOLDENRAIN | 13" | 2 | N/A |
| 65 | LAUREL OAK | 8" | 3 | 8" |
| 67 | LIVE OAK | 16" | 4 | 16" |
| 70 | LAUREL OAK | 16" | 3 | 16" |
| 72 | LAUREL OAK | 5" | 2 | N/A |
| 73 | LAUREL OAK | 12" | 2 | N/A |

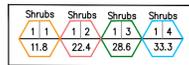
INCHES SPREADSHEET: NEW TREE REMOVAL TABLE (NEW PERMIT)

| TREE NUMBER | TYPE | DBH | RATING | DEFICIT |
|-------------|------------|-----|--------|---------|
| 4 | LIVE OAK | 12" | 3 | 12" |
| 5 | LIVE OAK | 19" | 4 | 19" |
| 9 | WATER OAK | 11" | 2.5 | N/A |
| 11 | LIVE OAK | 27" | 3.5 | 27" |
| 12 | LAUREL OAK | 12" | 3 | 12" |
| 14 | WATER OAK | 13" | 3 | 13" |
| 27 | TALLOW | 10" | 2.0 | N/A |
| 31 | WATER OAK | 17" | 2.5 | N/A |
| 68 | WATER OAK | 18" | 2.5 | N/A |
| 69 | WATER OAK | 15" | 1.5 | N/A |
| 70 | LAUREL OAK | 14" | 1.5 | N/A |
| 71 | WATER OAK | 13" | 0.5 | N/A |
| 76 | WATER OAK | 15" | 3.0 | 15" |
| 77 | WATER OAK | 13" | 1.0 | N/A |
| 79 | WATER OAK | 20" | 1.0 | N/A |
| 80 | LIVE OAK | 45" | 3.5 | 45" |

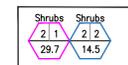
TOTAL TREE REMOVAL: 55 TREES (EX. PERMIT 39 TREES + NEW PERMIT 16 TREES), 347.75" + 143" = 490.75" DEFICIT.

PROPOSED:
 SHADE TREES 9 * 2.5" = 22.5"
 ACCENT TREES 22 * 2.0" = 44.0"
TOTAL PROPOSED: 31 TREES, 66.5" CREDIT

TOTAL DEFICIT: 490.75" - 66.5" = 424.25"



VALVE BOX 1



VALVE BOX 2

NOTE TO IRRIGATION PLAN:

ENSURE THAT ALL PROPOSED IRRIGATION MAIN LINES ARE NOT TRENCHED UNDER CANOPIES OF TREES TO BE PRESERVED. THESE LINES MUST BE DIRECTIONAL DRILLED, OR HAND DUG AND TUNNELED UNDER ALL ROOTS 1 INCH AND LARGER.

HARDWOODS

2/3 of drip line
Horizontal
Upright
1" min. 3' min.

N.T.S.

PINES

Horizontal
Upright
1" min. 3' min.

N.T.S.

SPECIFICATIONS - WOOD BARRIER

- Minimum radius to be protected:
 - A. Hardwoods - 2/3 drip line
 - B. Conifers & Sabal Palms - Entire drip line.
- Uprights - No less than 2" X 2" lumber.
- Horizontals - No less than 1" X 4" lumber.
- Barriers shall be erected around all protected trees and palms, and inspected by city representative before construction begins.
- Upright posts are to be at least 4 feet in length with a minimum of 1 foot anchored in ground and 3 feet above ground.
- Barriers to remain in place until all paving, construction and heavy equipment is out of area.

Further information may be obtained from the Land Resource Specialists at 562-4575 and 562-4558.

| | | | | | |
|----------|----------------------|-----|------------------------|----------------|----------|
| 10/22/18 | PHONE NUMBERS | JS | CITY OF CLEARWATER | INDEX NO. | PAGE NO. |
| 5/7/12 | DEPARTMENT NAME | TLM | ENGINEERING DEPARTMENT | 909 | 1 of 1 |
| DATE | REVISION DESCRIPTION | APP | LANDSCAPE DETAILS | LATER REVISION | 10/22/18 |

TREE BARRICADES

NOTE:

- INSTALL TREE BARRICADES TO CITY OF CLEARWATER STANDARDS, 2X2 POST WITH 1X4 RAILS AT TWO THIRDS OF THE TREES DRIP LINE AND/OR PARALLEL TO THE PROPOSED CONSTRUCTION. THE PURPOSE OF THE TREE BARRICADES IS TO PROTECT THE ROOTS AS WELL AS THE TRUNK OF THE TREE. IT IS TO PREVENT EQUIPMENT FROM DRIVING OVER THE ROOTS AND TO PREVENT STORAGE OF MATERIALS ON TOP OF THE ROOTS. THE BARRICADES MUST BE PLACED TO GIVE THE TREE AND ROOTS THE MAXIMUM AMOUNT OF ROOM.

- ONCE INSTALLED, SCHEDULE A TREE PRESERVATION 735 INSPECTION. PLEASE BE AWARE THE TREE BARRICADES MUST BE INSTALLED AND INSPECTED PRIOR TO LAND RESOURCE APPROVAL OF THIS PERMIT. YOU CAN SCHEDULE THE INSPECTION ONE OF TWO WAYS: (1) ONLINE AT EPERMIT.MYCLEARWATER.COM, OR (2) CALLING THE 24 HOUR INSPECTION LINE AT 727-562-4580.

- **DO NOT INSTALL UNTIL TREE PRESERVATION PLAN IS SUBMITTED AND APPROVED.

- ALL PLANT SPECIES ON THE FLORIDA INVASIVE SPECIES COUNCIL'S LIST SHALL BE REMOVED FROM THE SITE.

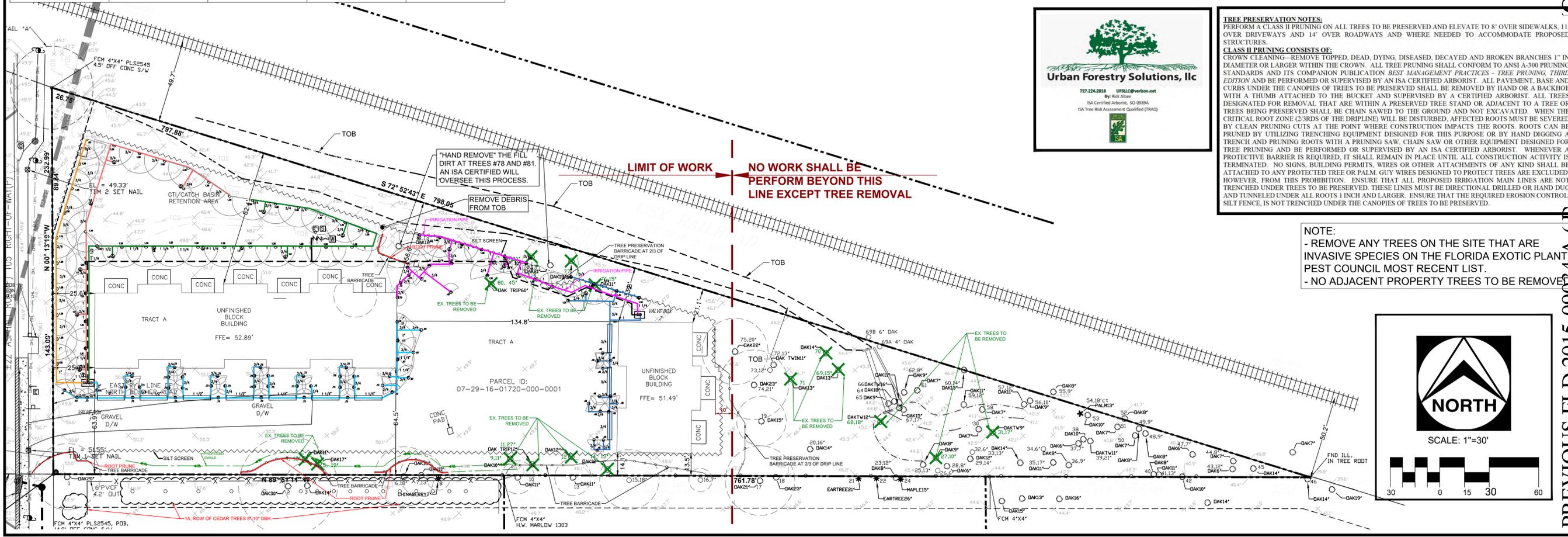
Urban Forestry Solutions, Inc.
 727.224.2818
 By: Rick Albino
 ISA Certified Arborist, SO-0989A
 ISA Tree Risk Assessment Qualified (TRAQ)

TREE PRESERVATION NOTES:

PERFORM A CLASS II PRUNING ON ALL TREES TO BE PRESERVED AND ELEVATE TO 8' OVER SIDEWALKS, 11' OVER DRIVEWAYS AND 14' OVER ROADWAYS AND WHERE NEEDED TO ACCOMMODATE PROPOSED STRUCTURES.
CLASS II PRUNING CONSISTS OF:
 CROWN CLEANING—REMOVE TOPPED, DEAD, DYING, DISEASED, DECAYED AND BROKEN BRANCHES 1" IN DIAMETER OR LARGER WITHIN THE CROWN. ALL TREE PRUNING SHALL CONFORM TO ANSI A-300 PRUNING STANDARDS AND ITS COMPANION PUBLICATION BEST MANAGEMENT PRACTICES - TREE PRUNING, THIRD EDITION AND BE PERFORMED OR SUPERVISED BY AN ISA CERTIFIED ARBORIST. ALL PAVEMENT, BASE AND CURBS UNDER THE CANOPIES OF TREES TO BE PRESERVED SHALL BE REMOVED BY HAND OR A BACKHOE WITH A THUMB ATTACHED TO THE BUCKET AND SUPERVISED BY A CERTIFIED ARBORIST. ALL TREES DESIGNATED FOR REMOVAL THAT ARE WITHIN A PRESERVED TREE STAND OR ADJACENT TO A TREE OR TREES BEING PRESERVED SHALL BE CHAIN SAWS TO THE GROUND AND NOT EXCAVATED. WHEN THE CRITICAL ROOT ZONE (2/3RDS OF THE DRIPLINE) WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS. ROOTS CAN BE PRUNED BY UTILIZING TRENCHING EQUIPMENT DESIGNED FOR THIS PURPOSE OR BY HAND DIGGING A TRENCH AND PRUNING ROOTS WITH A PRUNING SAW, CHAIN SAW OR OTHER EQUIPMENT DESIGNED FOR TREE PRUNING AND BE PERFORMED OR SUPERVISED BY AN ISA CERTIFIED ARBORIST. WHENEVER A PROTECTIVE BARRIER IS REQUIRED, IT SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY IS TERMINATED. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY PROTECTED TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED HOWEVER, FROM THIS PROHIBITION. ENSURE THAT ALL PROPOSED IRRIGATION MAIN LINES ARE NOT TRENCHED UNDER TREES TO BE PRESERVED. THESE LINES MUST BE DIRECTIONAL DRILLED OR HAND DUG AND TUNNELED UNDER ALL ROOTS 1 INCH AND LARGER. ENSURE THAT THE REQUIRED EROSION CONTROL SILT FENCE, IS NOT TRENCHED UNDER THE CANOPIES OF TREES TO BE PRESERVED.

NOTE:

- REMOVE ANY TREES ON THE SITE THAT ARE INVASIVE SPECIES ON THE FLORIDA EXOTIC PLANT PEST COUNCIL MOST RECENT LIST.
 - NO ADJACENT PROPERTY TREES TO BE REMOVED



NORTH
 SCALE: 1"=30'
 30 0 15 30 60

Northside Engineering, Inc.
 300 South Belcher Road, Clearwater, Florida 33765
 Tel: 727-291-1111
 Fax: 727-291-1111
 Email: info@northsideeng.com
 Est. 1989

Civil, Land Planning, Traffic Studies, Landscape Architecture, Surveying, Stormwater Management, Utility Design, Construction Administration

Project # 2202
 Issue Date: 05/30/25
 Revisions:
 No. Date Description

TREE REMOVAL PLAN, TREE PRESERVATION PLAN & NOTES

ATMI JUNIOR GREENE
 1401 N. BELCHER ROAD (FKA)
 2236 ATMI JUNIOR GREENE DRIVE,
 CLEARWATER, FL 33765

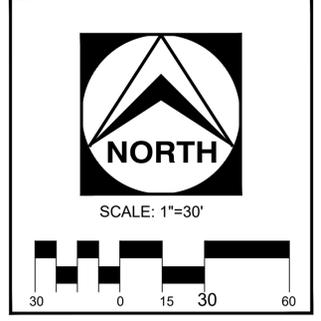
Northside Engineering, Inc.
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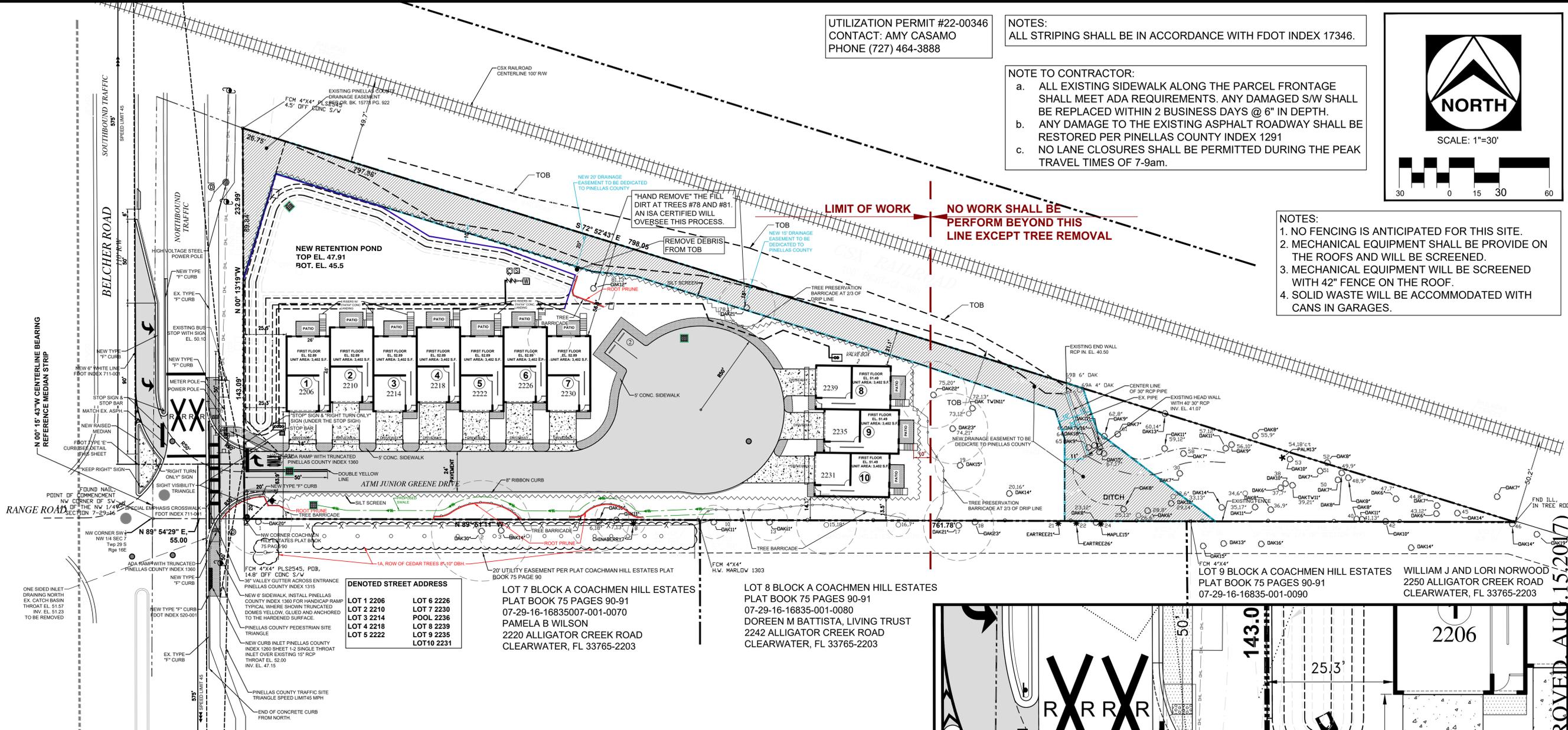
UTILIZATION PERMIT #22-00346
CONTACT: AMY CASAMO
PHONE (727) 464-3888

NOTES:
ALL STRIPING SHALL BE IN ACCORDANCE WITH FDOT INDEX 17346.

NOTE TO CONTRACTOR:
a. ALL EXISTING SIDEWALK ALONG THE PARCEL FRONTAGE SHALL MEET ADA REQUIREMENTS. ANY DAMAGED S/W SHALL BE REPLACED WITHIN 2 BUSINESS DAYS @ 6" IN DEPTH.
b. ANY DAMAGE TO THE EXISTING ASPHALT ROADWAY SHALL BE RESTORED PER PINELLAS COUNTY INDEX 1291
c. NO LANE CLOSURES SHALL BE PERMITTED DURING THE PEAK TRAVEL TIMES OF 7-9am.



NOTES:
1. NO FENCING IS ANTICIPATED FOR THIS SITE.
2. MECHANICAL EQUIPMENT SHALL BE PROVIDED ON THE ROOFS AND WILL BE SCREENED.
3. MECHANICAL EQUIPMENT WILL BE SCREENED WITH 42" FENCE ON THE ROOF.
4. SOLID WASTE WILL BE ACCOMMODATED WITH CANS IN GARAGES.



DEDICATED STREET ADDRESS

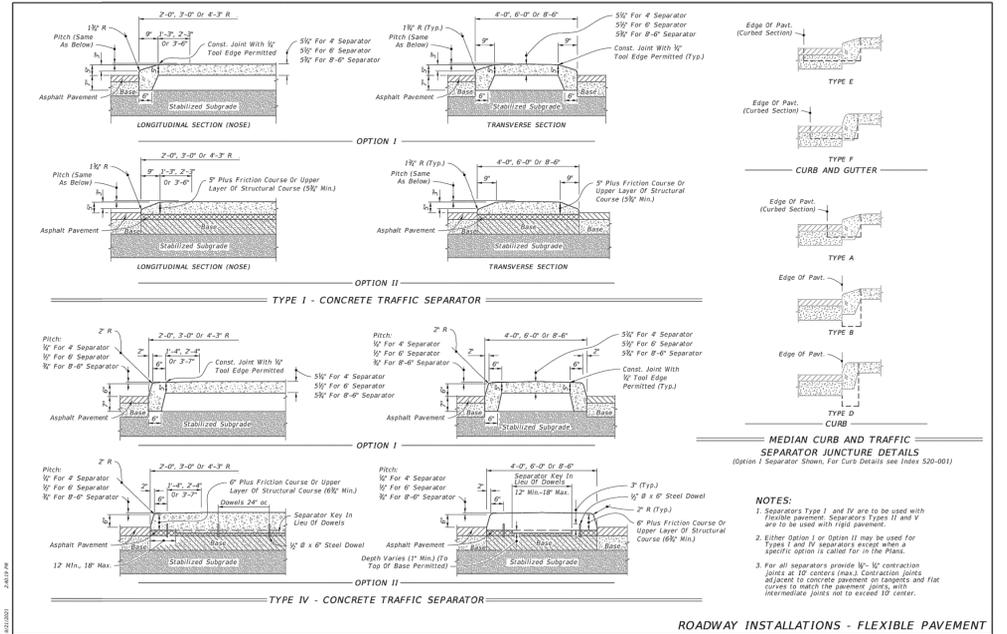
| | |
|------------|-------------|
| LOT 1 2206 | LOT 6 2226 |
| LOT 2 2210 | LOT 7 2230 |
| LOT 3 2214 | POOL 2236 |
| LOT 4 2218 | LOT 8 2239 |
| LOT 5 2222 | LOT 9 2235 |
| | LOT 10 2231 |

LOT 7 BLOCK A COACHMEN HILL ESTATES
PLAT BOOK 75 PAGES 90-91
07-29-16-16835007-001-0070
PAMELA B WILSON
2220 ALLIGATOR CREEK ROAD
CLEARWATER, FL 33765-2203

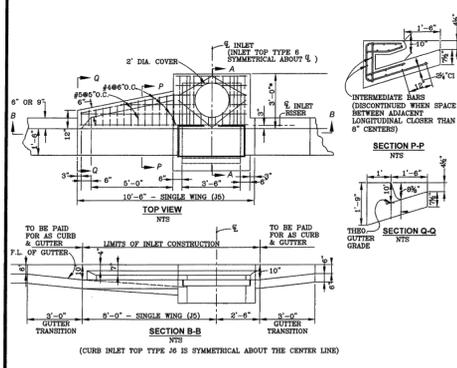
LOT 8 BLOCK A COACHMEN HILL ESTATES
PLAT BOOK 75 PAGES 90-91
07-29-16-16835-001-0080
DOREEN M BATTISTA, LIVING TRUST
2242 ALLIGATOR CREEK ROAD
CLEARWATER, FL 33765-2203

LOT 9 BLOCK A COACHMEN HILL ESTATES
PLAT BOOK 75 PAGES 90-91
07-29-16-16835-001-0090

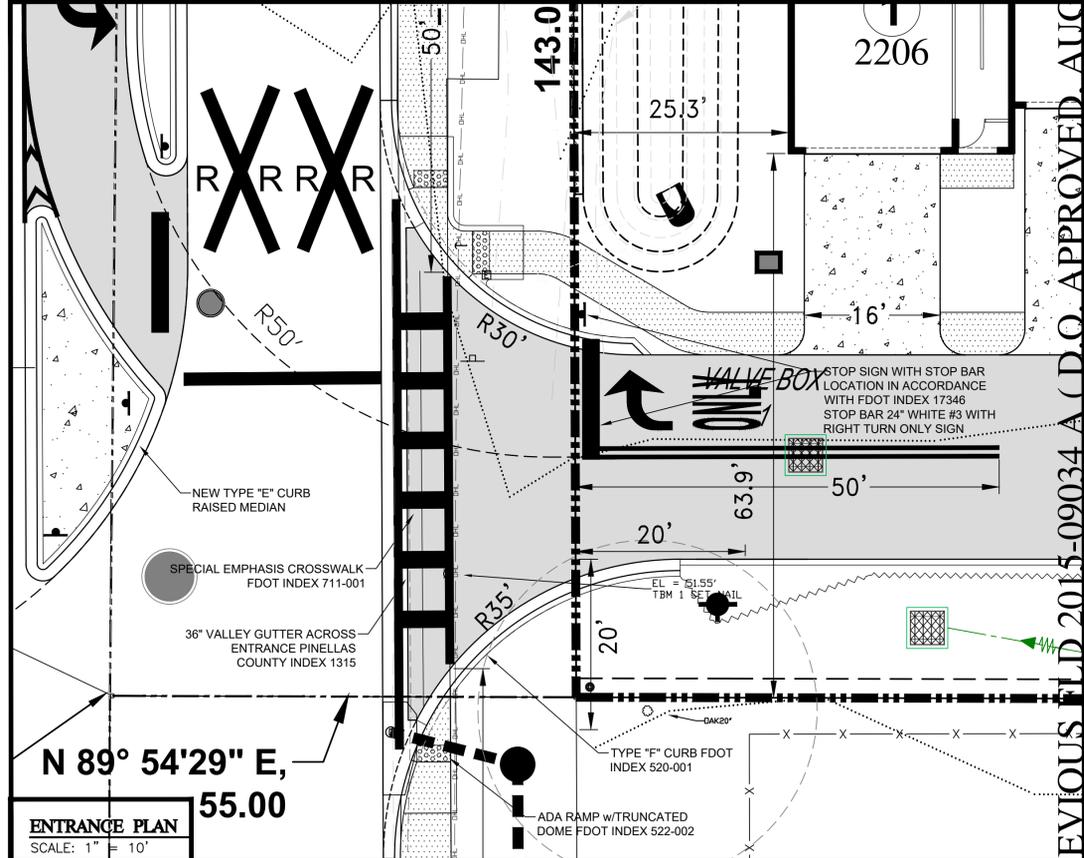
WILLIAM J AND LORI NORWOOD
2250 ALLIGATOR CREEK ROAD
CLEARWATER, FL 33765-2203



NOTES:
1. COVER FOR ALL REINFORCING STEEL SHALL BE 2" MINIMUM.
2. INLETS SHALL BE CONSTRUCTED OF REINFORCED CONCRETE, AND MAY BE EITHER PRECAST OR CAST-IN-PLACE.
3. CONCRETE SHALL BE CLASS II, WITH P.S.-4000 PSI (MIN). CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 546 OF F.D.O.T.'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE.
4. REINFORCING STEEL SHALL BE GRADE 60, DEFORMED, AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATION A 63.
5. UNLESS OTHERWISE NOTED, ALL EXPOSED EDGES AND CORNERS OF CONCRETE SHALL HAVE A 1" CHAMFER.
6. SEE F.D.O.T. INDEX 211 FOR GRATE INFORMATION.



PINELLAS COUNTY
P.C.E.D. J5 & J6 CURB INLETS - SHEET 1 OF 2
(MODIFIED F.D.O.T. J5 & J6 CURB INLETS)



Northside Engineering, Inc.
390 South Belcher Road, Clearwater, Florida 33765
Tel: (727) 464-3888
Fax: (727) 464-3889
Email: info@northsideengineering.net
Est. 1989

Donald B. Fairbrun, P.E. #44971
REGISTRY # 31306

PROJECT # 2202
ISSUE DATE: 05/30/25
REVISIONS:

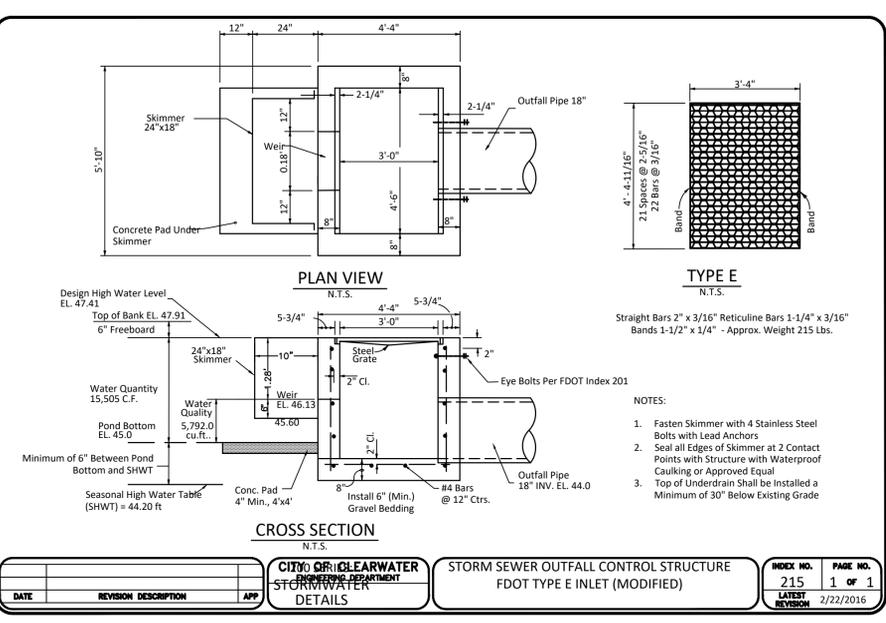
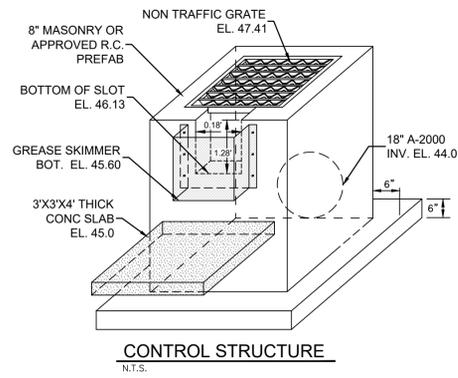
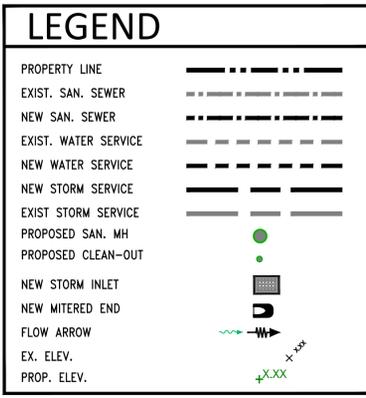
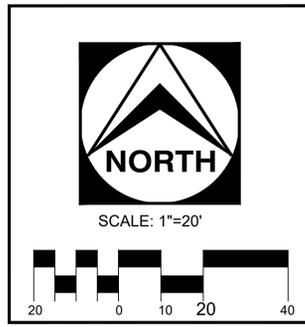
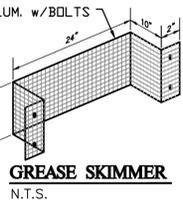
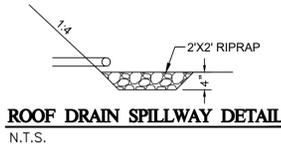
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CIVIL SITE PLAN
ATMI JUNIOR GREENE
1401 N. BELCHER ROAD (FKA)
2236 ATMI JUNIOR GREENE DRIVE,
CLEARWATER, FL 33765

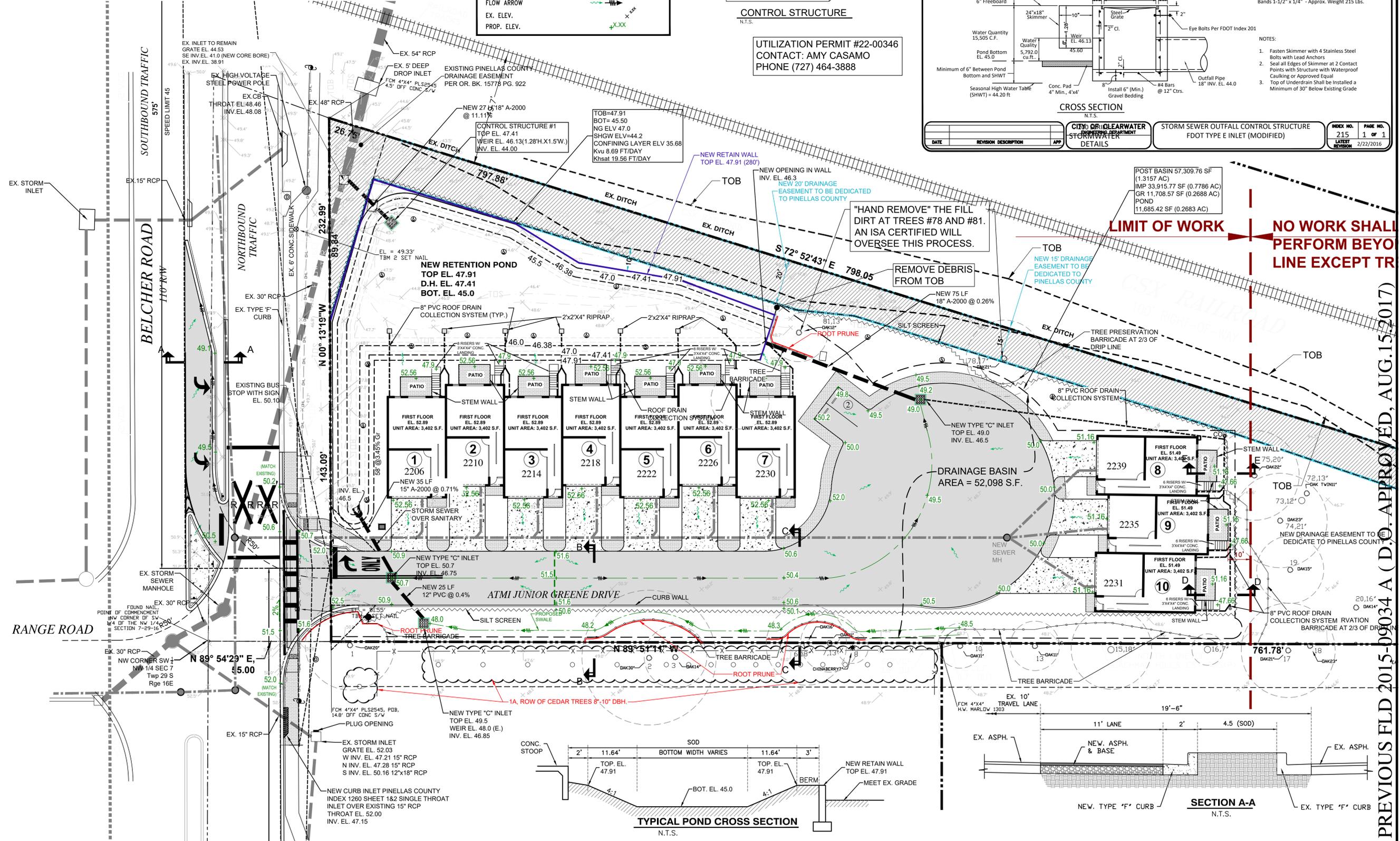
Northside Engineering, Inc.
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PREVIOUS FLD 2015-09034 A (D.O. APPROVED AUG. 15, 2017)

NOTE TO CONTRACTOR:
 ALL EXISTING SIDEWALK ALONG THE PARCEL FRONTAGE SHALL MEET ADA REQUIREMENTS. ANY DAMAGED S/W SHALL BE REPLACED WITHIN 2 BUSINESS DAYS @ 6" IN DEPTH.



UTILIZATION PERMIT #22-00346
 CONTACT: AMY CASAMO
 PHONE (727) 464-3888



Northside Engineering, Inc.
 300 South Belcher Road, Clearwater, Florida 33765
 Tel: 727-464-3888
 Fax: 727-464-3889
 Email: info@northsideengineering.com
 Est. 1989

Civil, Land Planning, Traffic Studies, Landscape Architecture, Surveying, Stormwater Management, Utility Design, Construction Administration

Donald B. Fairbairn, P.E. #44971
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA

PROJECT # 2202
 ISSUE DATE: 05/30/25

REVISIONS:

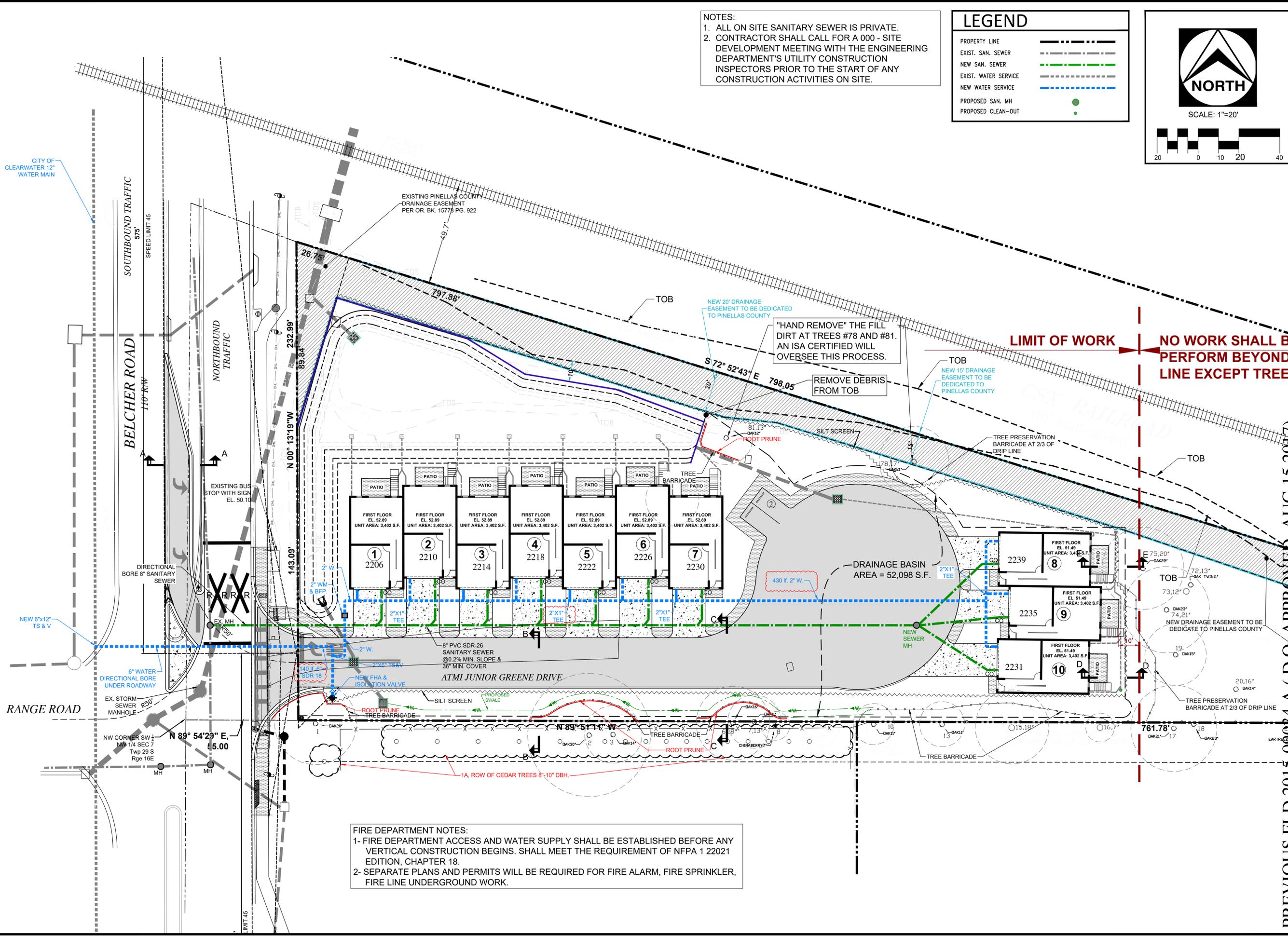
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GRADING & DRAINAGE PLAN

ATMI JUNIOR GREENE
 1401 N. BELCHER ROAD (FKA)
 2236 ATMI JUNIOR GREENE DRIVE,
 CLEARWATER, FL 33765

Northside Engineering, Inc.
C4.1

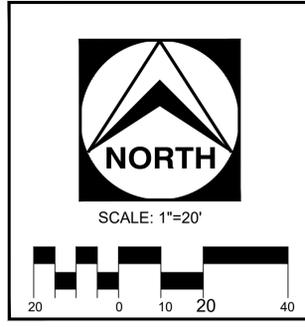
PREVIOUS FLD 2015-09034 A (D.O. APPROVED, AUG. 15, 2017)



NOTES:
 1. ALL ON SITE SANITARY SEWER IS PRIVATE.
 2. CONTRACTOR SHALL CALL FOR A 000 - SITE DEVELOPMENT MEETING WITH THE ENGINEERING DEPARTMENT'S UTILITY CONSTRUCTION INSPECTORS PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES ON SITE.

LEGEND

| | |
|----------------------|-----|
| PROPERTY LINE | --- |
| EXIST. SAN. SEWER | --- |
| NEW SAN. SEWER | --- |
| EXIST. WATER SERVICE | --- |
| NEW WATER SERVICE | --- |
| PROPOSED SAN. MH | ● |
| PROPOSED CLEAN-OUT | ● |



Northside Engineering, Inc.
 300 South Belcher Road, Clearwater, Florida 34625
 Tel: 407-288-7777 Fax: 407-288-8000
 tech@northsideengineering.net Est. 1989

Civil, Land, Planning, Traffic Studies, Landscape Design
 Due Diligence Reports, Land Use, Rezoning, Stormwater Management, Utility Design, Construction Administration

Donald B. Fairbairn, P.E. #44971
 REGISTRY # 31306

PROJECT # 2202
ISSUE DATE: 05/30/25

REVISIONS:

| No. | Date | Description |
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UTILITY PLAN

ATMI JUNIOR GREENE
 1401 N. BELCHER ROAD (FKA)
 2236 ATMI JUNIOR GREENE DRIVE,
 CLEARWATER, FL 33765

Northside Engineering, Inc.
C5.1

PREVIOUS FLD 2015-09084 A (D.O. APPROVED, AUG.15.2017)

FIRE DEPARTMENT NOTES:
 1- FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL BE ESTABLISHED BEFORE ANY VERTICAL CONSTRUCTION BEGINS. SHALL MEET THE REQUIREMENT OF NFPA 1 22021 EDITION, CHAPTER 18.
 2- SEPARATE PLANS AND PERMITS WILL BE REQUIRED FOR FIRE ALARM, FIRE SPRINKLER, FIRE LINE UNDERGROUND WORK.

LIMIT OF WORK → **NO WORK SHALL BE PERFORMED BEYOND THIS LINE EXCEPT TREE PRESERVATION**

"HAND REMOVE" THE FILL DIRT AT TREES #78 AND #81. AN ISA CERTIFIED WILL OVERSEE THIS PROCESS.

REMOVE DEBRIS FROM TOB

NEW 15' DRAINAGE EASEMENT TO BE DEDICATED TO PINELLAS COUNTY

NEW 20' DRAINAGE EASEMENT TO BE DEDICATED TO PINELLAS COUNTY

TREE PRESERVATION BARRICADE AT 2/3 OF DRIP LINE

DRAINAGE BASIN AREA = 52,098 S.F.

NEW DRAINAGE EASEMENT TO BE DEDICATED TO PINELLAS COUNTY

TREE PRESERVATION BARRICADE AT 2/3 OF DRIP LINE

1A. ROW OF CEDAR TREES 8"-10" DBH.

ATMI JUNIOR GREENE DRIVE

BELCHER ROAD

RANGE ROAD

CITY OF CLEARWATER 12" WATER MAIN

SOUTHBOUND TRAFFIC 575'

NORTHBOUND TRAFFIC

6" WATER DIRECTIONAL BORE UNDER ROADWAY

EX. STORM SEWER MANHOLE

NW CORNER SW 1/4 NW 1/4 SEC 7 Twp 29 S Rge 16E

EXISTING BUS STOP WITH SIGN EL. 50.10

DIRECTIONAL BORE 8" SANITARY SEWER

EXIST. PINELLAS COUNTY DRAINAGE EASEMENT PER OR. BK. 15778 PG. 922

NEW 6"x12" TS & V

NEW 8" PVC SDR-26 SANITARY SEWER @ 2% MIN. SLOPE & 36" MIN. COVER

NEW FHA & ISOLATION VALVE

PROPOSED SWALE

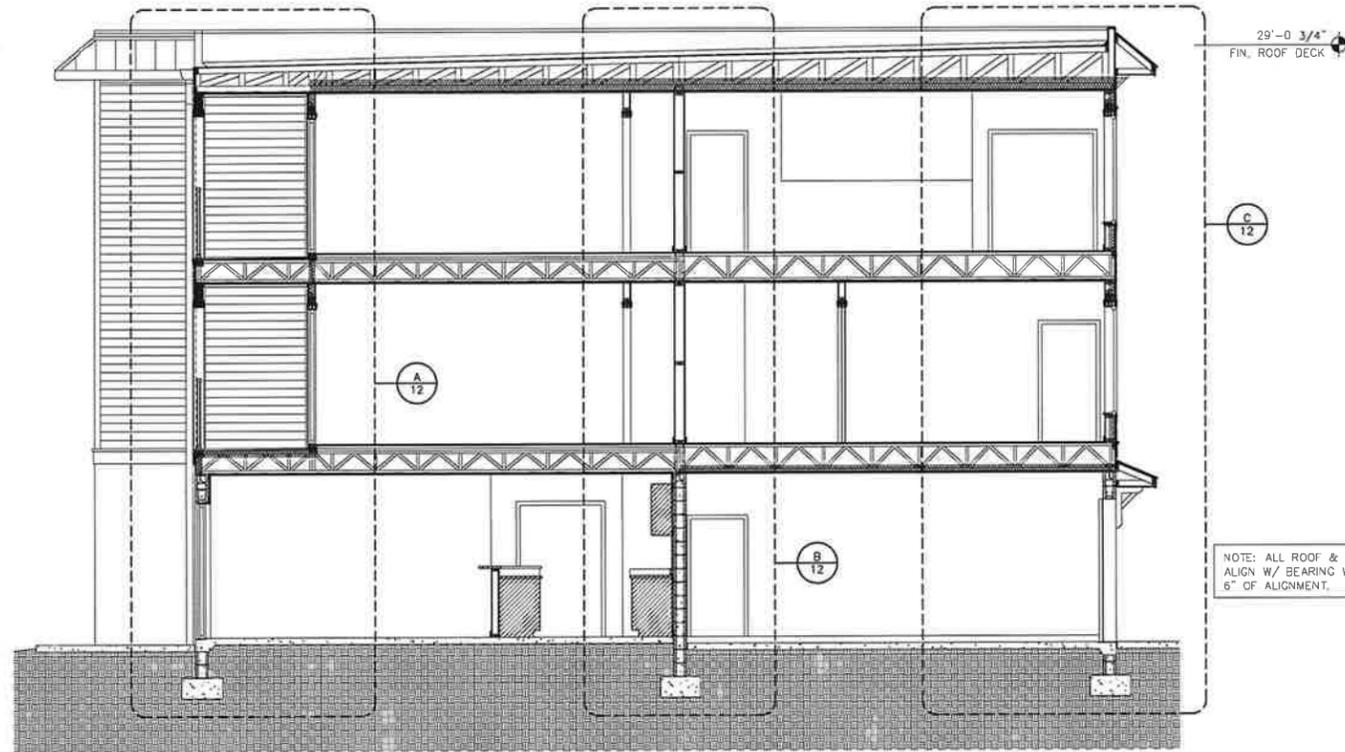
SILT SCREEN

ROOT PRUNE TREE BARRICADE

NEW SEWER MH

2"X1" TEE

- 30'-0" TOP OF PARAPET WALL
- 28'-1 1/2" FINISHED ROOF DECK
- 26'-11" TOP OF WALL
- 18'-11" FIN. 2nd FLOOR
- 17'-5 1/4" TOP OF WALL
- 9'-6 1/4" FIN. 2nd FLOOR
- 8'-0" TOP OF CMU WALL
- 0'-0" FIN. FLOOR
- 0'-6" FIN. GRADE



Building Section A
1/4" = 1'-0"

FIRE RESISTANCE NOTES

1. CONTINUITY - THE FIRE-RESISTANCE-RATED WALL OR ASSEMBLY SEPARATING TOWNHOUSES SHALL BE CONTINUOUS FROM THE FOUNDATION TO THE UNDERSIDE OF THE ROOF SHEATHING, DECK OR SLAB. THE FIRE-RESISTANCE RATING SHALL EXTEND THE FULL LENGTH OF THE WALL OR ASSEMBLY, INCLUDING WALL EXTENSIONS THROUGH AND SEPARATING ATTACHED ENCLOSED ACCESSORY STRUCTURES.
2. ONE LAYER OF 5/8-INCH TYPE X GYPSUM BOARD SHALL BE INSTALLED DIRECTLY BENEATH THE ROOF SHEATHING, SUPPORTED BY A MINIMUM OF NOMINAL 2-INCH LEDGERS ATTACHED TO THE SIDES OF THE ROOF FRAMING MEMBERS, FOR A MINIMUM DISTANCE OF 4 FEET ON EACH SIDE OF THE WALL OR WALLS.
3. WALLS & CEILINGS SEPARATING GARAGE SPACE FROM HABITABLE ROOMS SHALL HAVE ONE LAYER OF 5/8" TYPE X GYPSUM BOARD AT GARAGE SIDE.

NOTE: ALL ROOF & FLOOR TRUSSES SHALL ALIGN W/ BEARING WALL STUDS OR BE WITHIN 6" OF ALIGNMENT.

2 HR RATED TENNANT SEPARATION WALL

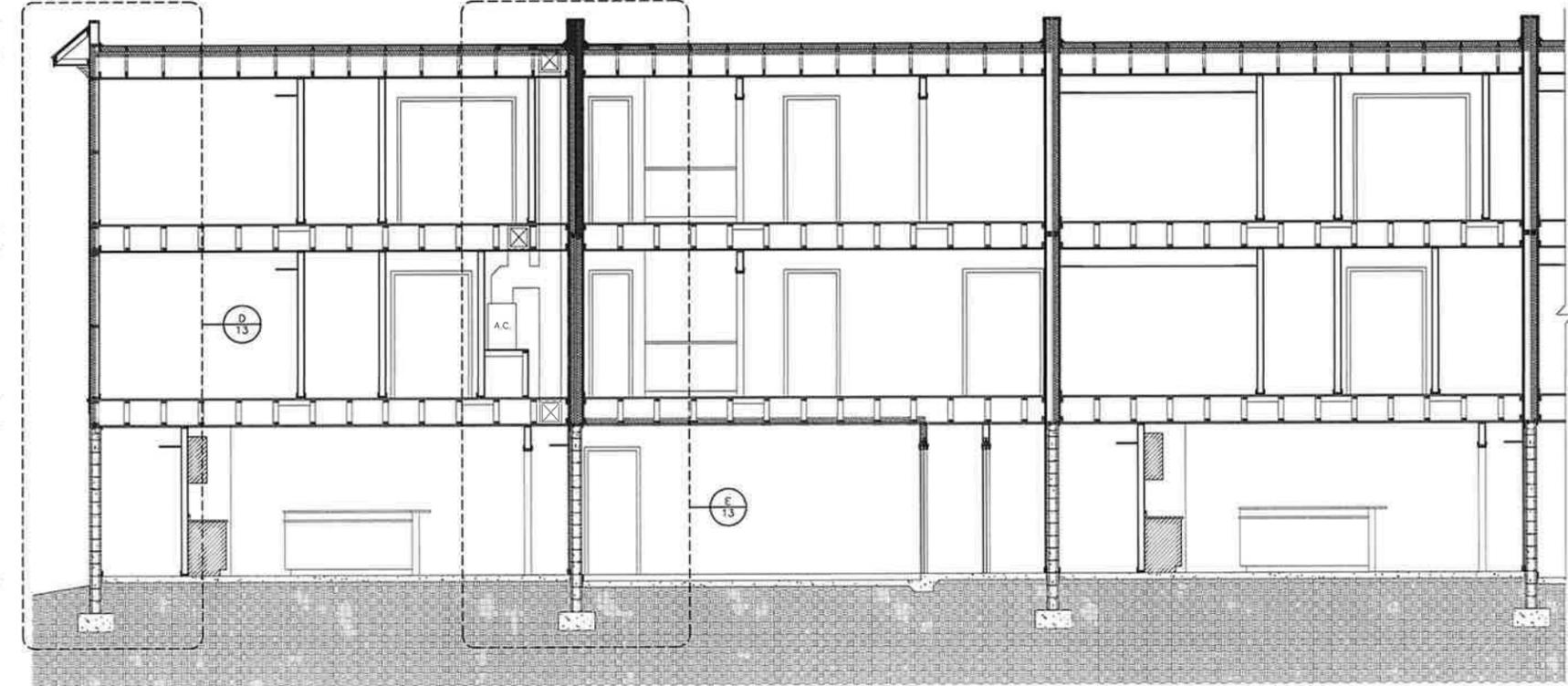
WALLS AND INTERIOR PARTITIONS, WOOD-FRAMED

| GA FILE NO. WP 3820 | GENERIC | 2 HOUR FIRE | 55 TO 59 STC SOUND |
|--|---------|------------------------------|--------------------|
| GYPSUM WALLBOARD, WOOD STUDS | | | |
| Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side of double row of 2 x 4 wood studs, 16" o.c. on separate plates 1" apart with six coated nails, 1 1/2" long, 0.085" shank, 1/4" heads, 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to each side with six coated nails, 2 3/8" long, 0.100" shank, 1/4" heads, 8" o.c. | | | |
| Joints staggered 16" each layer and side. Sound tested with 3" x 12" glass fiber insulation stapled to studs in stud spaces on one side and with nails for base layer spaced 16" o.c. Horizontal bracing required at mid height. (LOAD-BEARING) | | | |
| Thickness: 10 3/4" | | Approx. Weight: 13 psf | |
| Fire Test: See WP 4133 (FM WP 380, 9-27-74) | | Sound Test: NGC 3056, 4-7-70 | |

FRAMING NOTES

1. ALL LUMBER SHALL BE KILN DRIED (OR AIR DRIED) TO A MAXIMUM MOISTURE CONTENT OF 19.0%.
2. STRUCTURAL LUMBER SHALL BE STRESS GRADED NO. 2 SOUTHERN PINE OR HEM-FIR NO. 2 (FB. = 1,150 PSI, E = 1,400,000).
3. WALL SHEATHING SHALL BE 1" THICK STRUCTURAL 1 EXPOSURE 1 EXTERIOR GRADE PLYWOOD ATTACHED TO FRAMING W/ 10d NAILS, 4" O.C EDGES & 8" O.C. FIELD.
4. ROOF SHEATHING SHALL BE 3/4" THICK EXPOSURE 1 EXTERIOR GRADE PLYWOOD ATTACHED TO FRAMING W/ 10d NAILS, 4" O.C EDGES & 8" O.C. FIELD.
5. MANUFACTURERS INSTALLATION INFORMATION SHALL BE FOLLOWED FOR ALL SIMPSON CONNECTORS.

- 30'-0" TOP OF PARAPET WALL
- 28'-1 1/2" FIN. ROOF DECK
- 18'-11" FIN. 2nd FLOOR
- 17'-5 1/4" TOP OF WALL
- 9'-6 1/4" FIN. 2nd FLOOR
- 8'-0" TOP OF CMU WALL
- 0'-0" FIN. FLOOR
- 0'-6" FIN. GRADE



Building Section B
1/4" = 1'-0"

ATMI JUNIOR GREENE

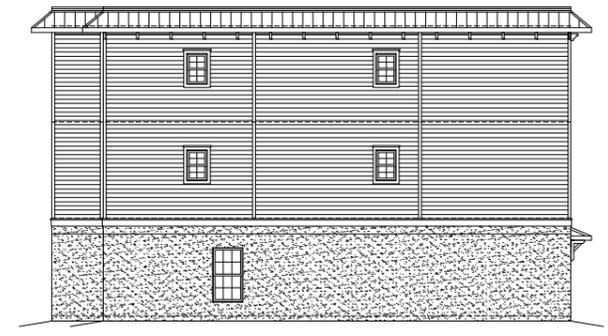
131 Skinner Boulevard
Dunedin, FL 34608
727.489-4638 FAX 727.471-5012
R & S Engineering and Construction Corporation
11000 13th Avenue, Suite 202, Palm Beach Gardens, FL 33418

BUILDING SECTIONS

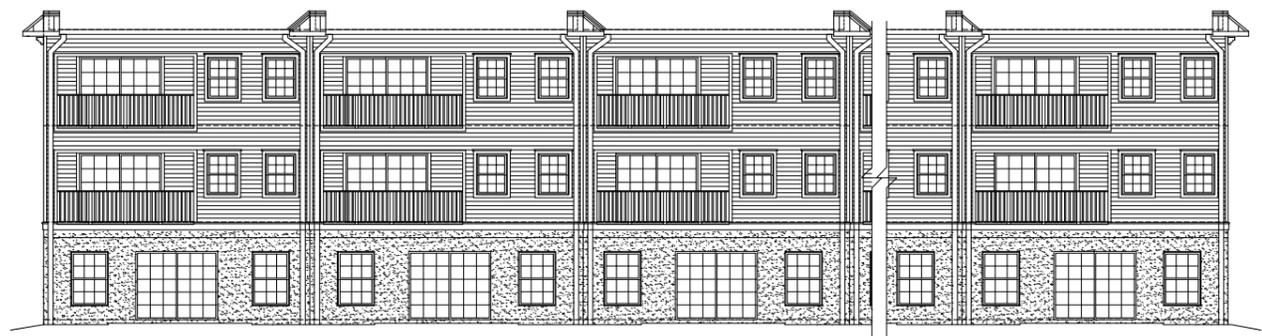
or
Atmi Kurishi
Focus & Struga Building Developers LLC
166 2nd Avenue, Suite 2D
New York, NY 10003



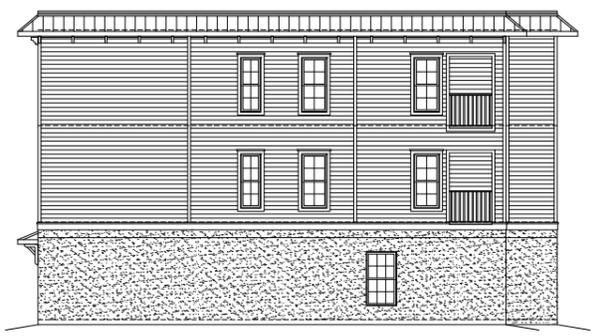
South Building - Building 1
1/8" = 1'-0"



West Elevation - Building 1
1/8" = 1'-0"



North Elevation - Building 1
1/8" = 1'-0"



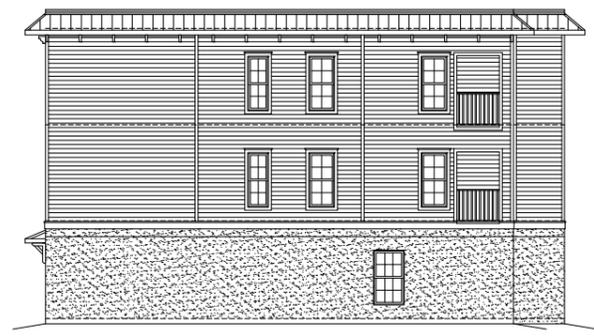
East Elevation - Building 1 & South Elevation - Building 2
1/8" = 1'-0"



West Elevation - Building 2
1/8" = 1'-0"



East Elevation - Building 2
1/8" = 1'-0"



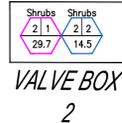
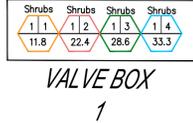
North Elevation - Building 2
1/8" = 1'-0"

LEGEND

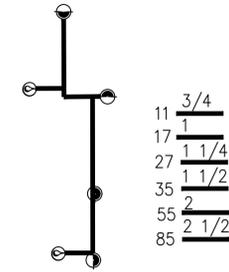
| I.D. | DESCRIPTION | SPECIFICATION |
|------|-----------------|--|
| W | WATER SOURCE | 3 HP GRUNDFOS SUBMERSIBLE PUMP/ WELL 36GPM 120V 40PSI AT VALVES |
| X | BALL VALVE | 2" PVC W/Valve Box |
| ⚡ | BACKFLOW DEVICE | Watts 009-QT-1.5 |
| — | MAINLINE | 2" PR-160 PVC |
| — | SLEEVING | 3" Sch. 40 PVC OR AS NOTED |
| ⊖ | CONTROLLER | RainBird ESPME 4 STA + MODULES |
| ⊖ | SOLENOID VALVE | RainBird PGA-100 |
| ⊖ | RAIN SENSOR | RainBird RSD-BEx |
| ⊖ | BUBBLER | RainBird 1408 BB 1.0 GPM |
| ⊖ | SPRAY NOZZLE | RainBird 1800 SERIES HE NOZZLES AS NOTED |

| VALVE BOX | ZONE NUMBER | GPM | DAYS | TIME | START TIME | PREC | USE | WEEKLY USE GALS |
|-----------|-------------|------|------|--------|------------|------|-------|-----------------|
| 1 | 1 | 11.8 | T,F | 15 MIN | 3:00AM | 0.62 | SHRUB | 220 GALS |
| | 2 | 22.4 | T,F | 15 MIN | 3:15AM | 0.62 | SHRUB | 417 GALS |
| | 3 | 28.6 | T,F | 15 MIN | 3:45AM | 0.62 | SHRUB | 532 GALS |
| 2 | 1 | 29.7 | T,F | 15 MIN | 3:00AM | 0.62 | SHRUB | 552 GALS |
| | 2 | 14.5 | T,F | 15 MIN | 3:15AM | 0.62 | SHRUB | 270 GALS |

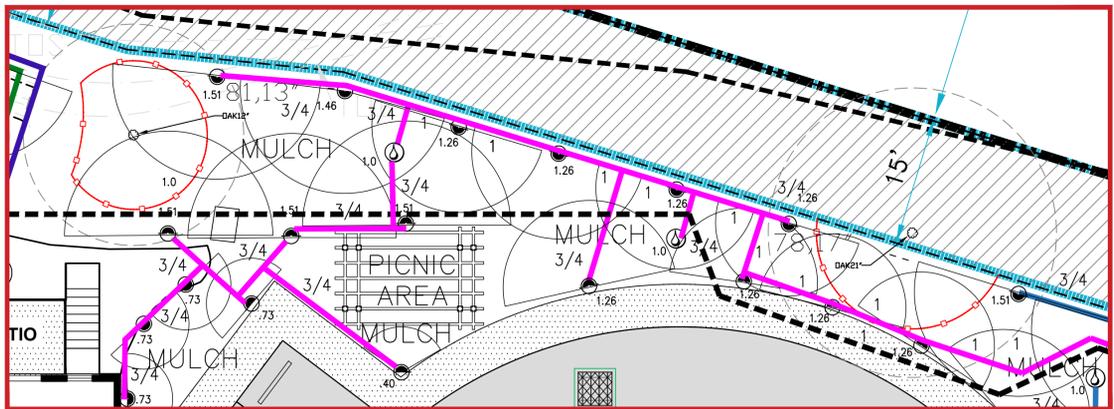
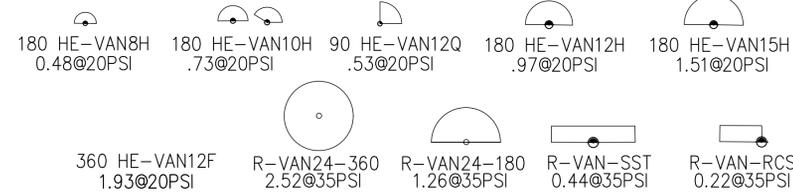
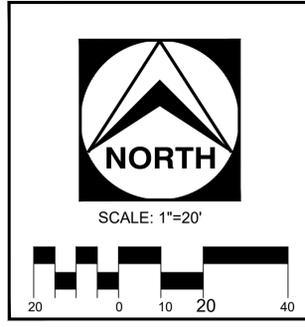
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100% APR-OCT
50% NOV-MAR



SHRUB/TURF IRRIGATION



BLOW-UP AREA SHOWING IRRIGATION PIPES AROUND PRESERVATION TREES.

GRUNDFOS

Company name: Created by: Date: 15/09/2023

Product No.: 1294302

Multi-stage submersible pump for one water supply, granulator bearing and pressure boosting. The pump is suitable for pumping clean, non-aggressive liquids without solid particles in them.

The motor is a 3-phase motor with sand shaft, liquid lubricated bearings and pressure equalizing diaphragm.

Layers:

- Planned liquid: Water
- Liquid temperature range: 5...104 °F
- Estimated liquid temperature: 68 °F
- Density: 62.28 lb/ft³

Technical:

- Pump speed on which pump data are based: 3450 rpm
- Actual calculated flow: 30.9 US GPM
- Rated flow: 30.9 US GPM
- Flashing head of the pump: 105.2 ft
- Actual impeller diameter: 3.63 in
- Shaft seal for motor: HANCOCK
- Asymptote: 02.64225A
- Curve selection: 0200092012 20
- Motor version: T40

Materials:

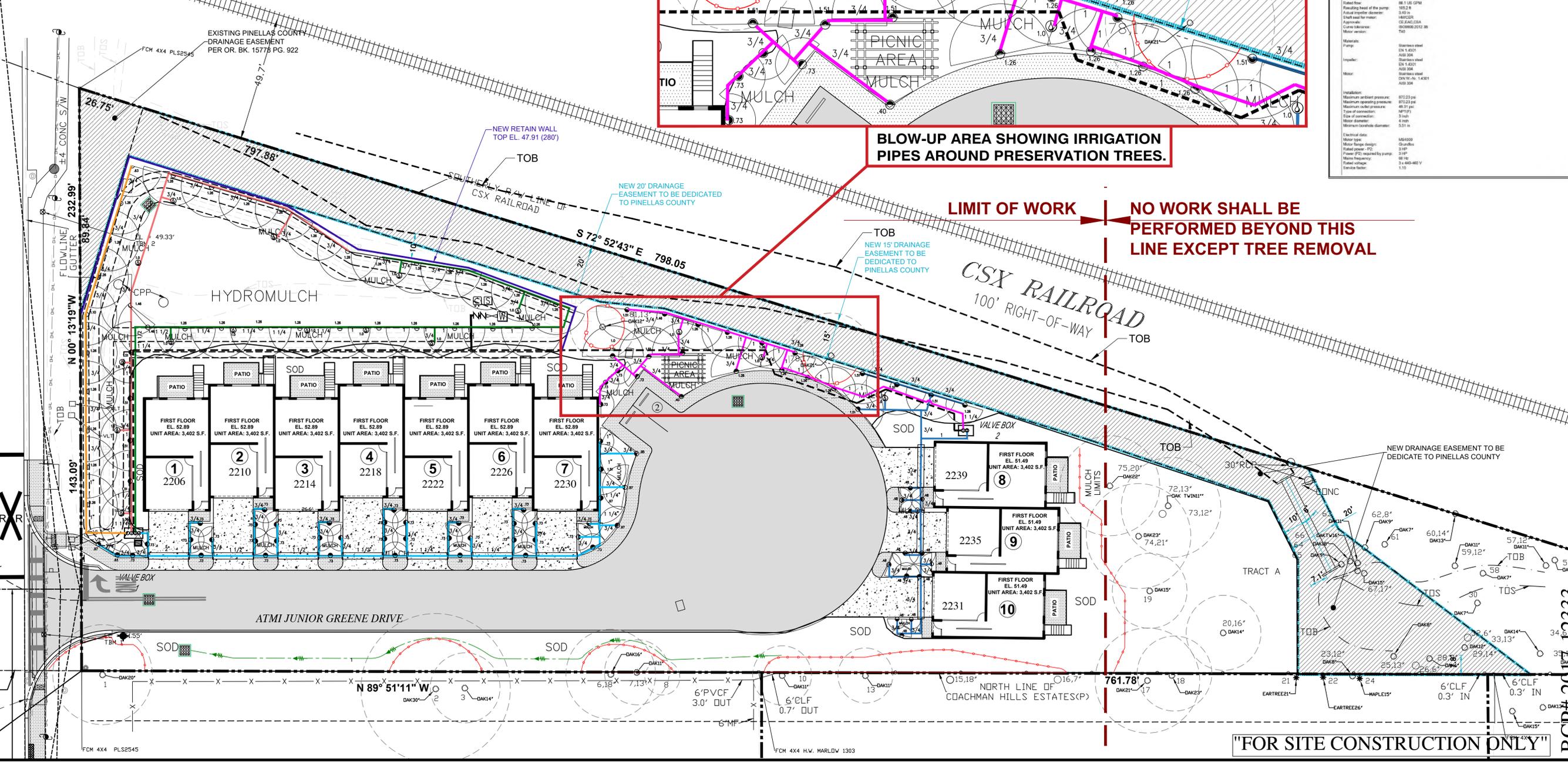
- Pump: Stainless steel
- IM 1: 4201
- IM 2: AISI 304
- Impeller: Stainless steel
- IM 3: 4201
- IM 4: AISI 304
- Motor: Stainless steel
- IM 5: No. 1: 4201
- IM 6: AISI 304

Installation:

- Maximum ambient pressure: 670.23 psi
- Maximum operating pressure: 670.23 psi
- Maximum water pressure: 68.0 psi
- Type of connection: NPT(F)
- Flare of connection: 4 inch
- Motor diameter: 4 inch
- Maximum horizontal diameter: 5.31 in

Electrical data:

- Motor type: IMB0109
- Motor frame design: 314P
- Rated power - P2: 314P
- Power (P2) indicated by pump: 30 HP
- Rated voltage: 3 x 460-480 V
- Service factor: 1.15



Northside Engineering, Inc.

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Email: info@northsideengineering.net

Civil, Land, Planning, Traffic Studies, Landscape Architecture
Due Diligence Reports, Land Use, Re-Zoning
Stormwater Management, Utility Design
Construction Administration

Gary R. Crumley, ASLA

COPIES OF THESE PLANS ARE NOT VALID UNLESS EMPLOYED WITH THE SIGNING ENGINEER'S SEAL

PROJECT # 2202
ISSUE DATE: 01/13/22

REVISIONS:

| No. | Date | Description |
|-----|----------|---------------|
| Δ | 05/27/22 | COUNTY REVIEW |
| Δ | 06/30/22 | COUNTY REVIEW |
| Δ | 01/04/23 | CITY COMMENTS |
| Δ | 04/06/23 | CITY COMMENTS |
| Δ | 05/26/23 | CITY COMMENTS |
| Δ | 08/14/23 | CITY COMMENTS |
| Δ | 10/05/23 | CITY COMMENTS |
| Δ | 10/20/23 | CITY COMMENTS |

IRRIGATION PLAN

ATMI JUNIOR GREENE

2236 ATMI JUNIOR GREENE DRIVE,
CLEARWATER, FL 33765

Northside Engineering, Inc.

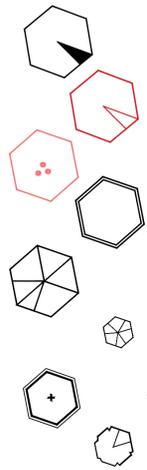
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"FOR SITE CONSTRUCTION ONLY"

BCP# 2017-12333

PROPOSED PLANT MATERIALS LIST

NAMES BOTANICAL AND COMMON WITH SIZES AND SPECS, XERISCAPE/FL FRIENDLY NOTED



- 5-TD 12.5" TD BALD CYPRESS/ SHADE TREE/ 10' HT BY 3' SPD 2.5" CAL 30 GAL OR FG TAXODIUM DISTICHUM N FYN FF WW
- 4-AR 10" AR RED MAPLE/ SHADE TREE/ 10' HT BY 3' SPD 2.5" CAL 30 GAL OR FG ACER RUBRUM N FYN FF WW
- 9-PA 18" CHICKSAW PLUM/ ACCENT TREE/ 8' BY 3' 2" 30 GAL PRUNUS ANGUSTIFOLIA FYN FF WW
- 5-IC 4-IC 18" IC DAHOON HOLLY/ ACCENT TREE/ 8' BY 3' 2" CAL. 30 GAL ILEX CASSINE N FYN FF WW
- 4-IVP 6" IVP YAUPON HOLLY/ ACCENT TREE/ 8' BY 3' 2" CAL. 30 GAL ILEX VOMITORIA "PENDULA" N FYN FF WW
- 3-TF 4-TF TF WINDMILL PALM/ ACCENT / 4'-5' HT BB TRACHYCARPUS FORTUNEII FYN FF WW
- 7-MC MC WAX MYRTLE/ SCREEN SHRUB/ 4'-5' HT 15G OR BB MYRICA CERIFERA 6" OC N FYN FF WW
- 25-MF MF SIMPSON STOPPER/ SCREEN SHRUB/ 3' HT 7 GAL MYRICANTHES FRAGRANS 6" OC N FYN FF WW

- 12-ICC 15-ICC ICC CHINESE HOLLY/ SHRUB / 18"-22" BY 20" 7 GAL ILEX CRENATA "COMPACTA" FYN FF WW
- 25-PS 32-PS PS SPLIT-LEAF PHILODENDRON/ GR. COVER / 18"-24" BY 20" 3 GAL PHILODENDRON SELLOUM N FYN FF WW
- 33-LSB SUPER BLUE LIRIOPE / ACCENT/ 1 GAL LIRIOPE "SUPER BLUE" FYN FF WW
- 37-AN AN ANNUAL COLOR/ ACCENT/ 6" POTS SEASONAL COLOR 50/50 MIXED
- 70-NC GIANT APOSTLE'S IRIS/ GR. COVER/ 15" BY 10" 1 GAL NEOMARICA CAERULEA 30" OC FYN FF WW
- 62-AG AG PERENNIAL PEANUT/ GR. COVER/ 10" BY 10" 1 GAL ARACHIS GLABRATA YELLOW 16" OC FYN FF WW
- SOD BAHIA GRASS/ TURF/ FRESH CUT SOD PASPALUM NOTATUM "ARGENTINE" N FYN FF WW
- MULCH PINE MINI NUGGETS 3" COVER ALL BED AREAS

TOTAL TREE REMOVAL: 55 TREES (EX. PERMIT 39 TREES + NEW PERMIT 16 TREES)
347.75" + 143" = **490.75" DEFICIT.**

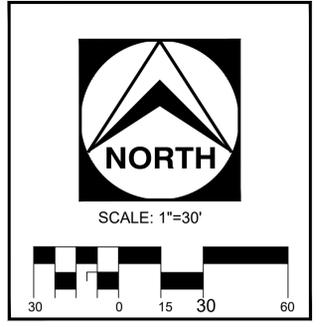
PROPOSED REPLACEMENT TREES:
SHADE TREES 12.5"+10" = 22.5"
ACCENT 18"+18"+8" = 44"
TOTAL PROPOSED: 31 TREES 66.5" CREDIT

TOTAL DEFICIT: (\$48/IN) x 424.25" = (\$20,364)

REMOVE ALL PLANTS ON THE FLORIDA INVASIVE SPECIES COUNCIL LIST
Demo and Tree Preservation Plan will show trees rated 2.5 and below to be removed, 48, 27, 31, 68, 69, 70 and 71. There are no co-owned trees being removed.
Add a note to the plan to remove all plants on the Florida Invasive Species Council List.

<https://floridainvasivespecies.org/plantlist.cfm>

- N NATIVE
- FYN FL YARDS & NEIGHBORHOODS
- FF FLORIDA FRIENDLY
- WW WATERWISE
- ATTRACTOR BUTTERFLIES
- ATTRACTOR POLLINATORS/BEES
- ATTRACTOR HUMMINGBIRDS



DRAINAGE EASEMENT

ZONING: LDR

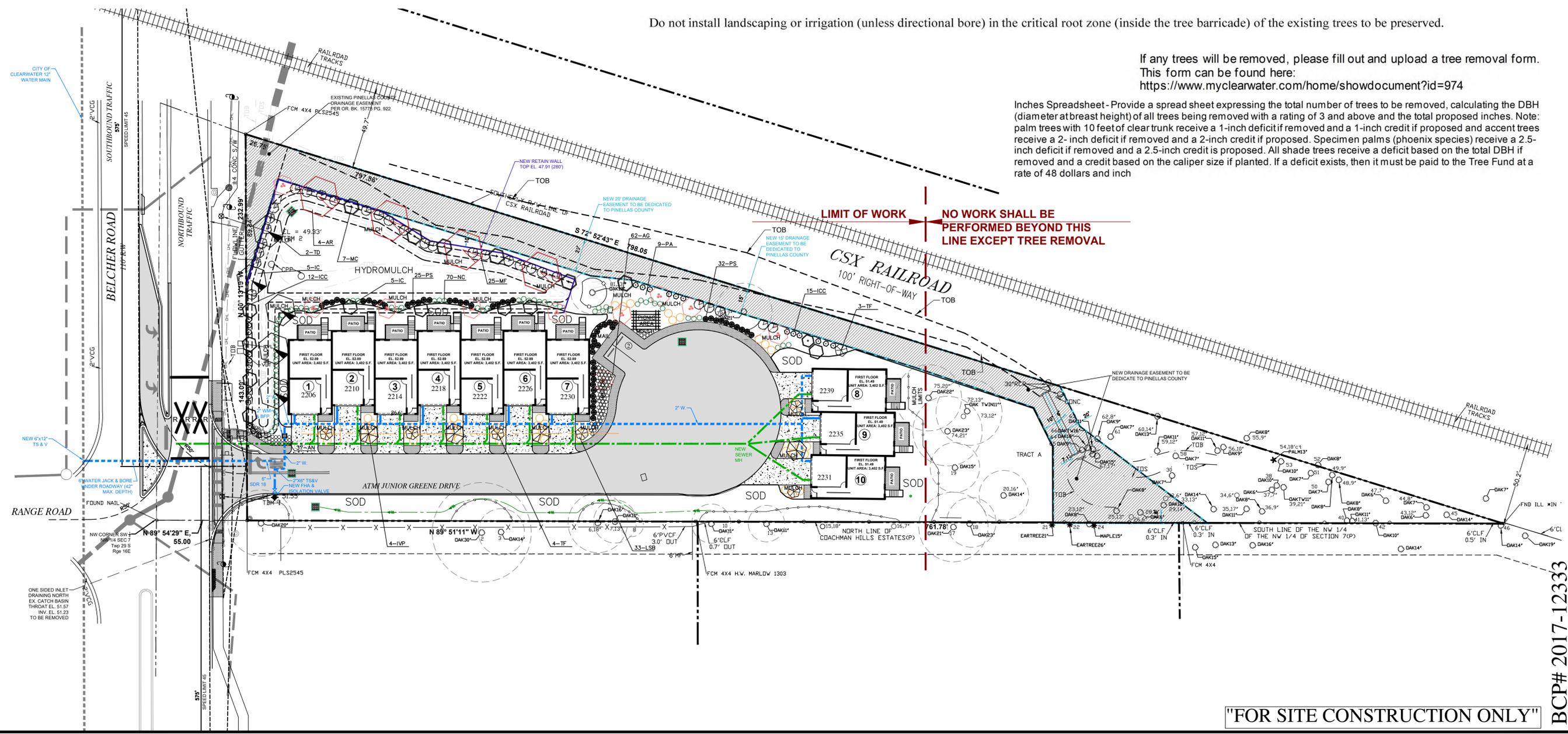
TREE BARRICADE

TREE PRESERVED
2" OAK 62
TREE ID #

Do not install landscaping or irrigation (unless directional bore) in the critical root zone (inside the tree barricade) of the existing trees to be preserved.

If any trees will be removed, please fill out and upload a tree removal form.
This form can be found here:
<https://www.myclearwater.com/home/showdocument?id=974>

Inches Spreadsheet - Provide a spread sheet expressing the total number of trees to be removed, calculating the DBH (diameter at breast height) of all trees being removed with a rating of 3 and above and the total proposed inches. Note: palm trees with 10 feet of clear trunk receive a 1-inch deficit if removed and a 1-inch credit if proposed and accent trees receive a 2-inch deficit if removed and a 2-inch credit if proposed. Specimen palms (phoenix species) receive a 2.5-inch deficit if removed and a 2.5-inch credit is proposed. All shade trees receive a deficit based on the total DBH if removed and a credit based on the caliper size if planted. If a deficit exists, then it must be paid to the Tree Fund at a rate of 48 dollars and inch



Northside Engineering, Inc.
Civil, Land, Planning, Traffic Studies, Landscape Architecture
Due Diligence Reports, Land Use, Re-Zoning
Stormwater Management, Utility Design
Construction Administration
300 South Belcher Road, Clearwater, Florida 34625
Tel: 407-462-3888 Fax: 407-462-3800
info@northsideengineering.net Est. 1989

Gary R. Crumley
Digitally signed by Gary R. Crumley
Date: 2025.05.22 14:30:48 -0400
Gary R. Crumley, ASLA

PROJECT # 2202
ISSUE DATE: 01/13/22

REVISIONS:

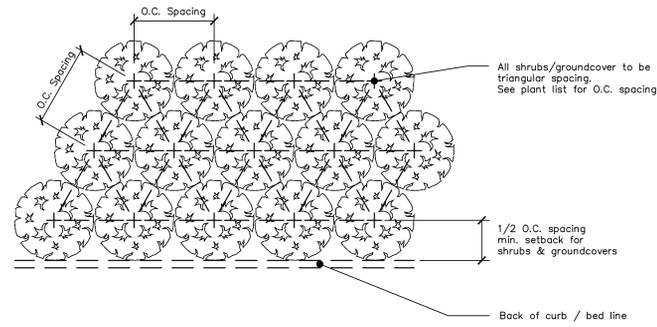
| No. | Date | Description |
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| 1 | 05/27/22 | COUNTY REVIEW |
| 2 | 06/30/22 | COUNTY REVIEW |
| 3 | 01/04/23 | CITY COMMENTS |
| 4 | 04/06/23 | CITY COMMENTS |
| 5 | 05/26/23 | CITY COMMENTS |
| 6 | 08/14/23 | CITY COMMENTS |
| 7 | 10/05/23 | CITY COMMENTS |
| 8 | 10/20/23 | CITY COMMENTS |

LANDSCAPE PLAN
ATMI JUNIOR GREENE
2236 ATMI JUNIOR GREENE DRIVE,
CLEARWATER, FL 33765

Northside Engineering, Inc.
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"FOR SITE CONSTRUCTION ONLY"

BCP# 2017-12333



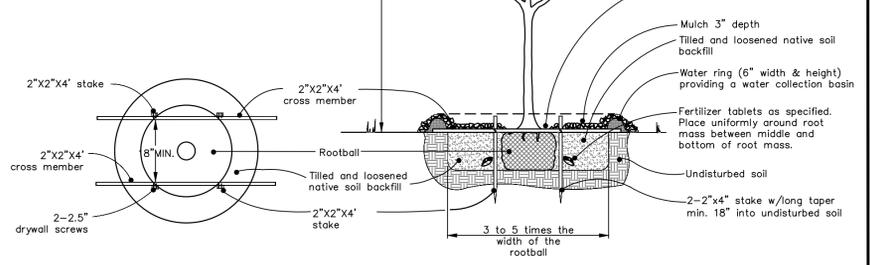
N.T.S.

GENERAL LANDSCAPE NOTES

- The Landscape Contractor shall grade planting beds, as required, to provide positive drainage and promote optimum plant growth.
- All recommended trees and plant materials will be graded as Nursery Grade No. 1 or better as outlined by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry "Grades and Standards for Nursery Plants", 7th Edition, 1998 as revised from time to time.
- All planting shall be done in accordance with the Florida Nurserymen's and Grower's Associations approved practices.
- All plants shall be fertilized with Agriform 20-10-5 tablets as per the manufacturer's specifications in conjunction with note # 5.
- The planting soil shall be the approximate proportions as follows: 50% sand and 50% organic material consisting of native peat, well-decomposed sawdust, leaf mold and top soil. It shall provide a good pliable and thoroughly mixed medium with adequate aeration, drainage and water-holding capacity. It shall also be free of all extraneous debris, such as roots, stones, weeds, etc.
- All planting areas shall receive a 3" layer of recycled hardwood log mulch, which is to be watered-in after installation.
- The plant material schedule is presented for the convenience of the Landscape Contractor. In the event of a discrepancy between the plan and the plant key, the plan shall prevail.
- Plants shall meet size, container, and spacing specifications. Any material not meeting specifications shall be removed and replaced at the contractor's expense.
- All tree and shrub locations are subject to change. All locations shall be approved by the City Project Manager prior to planting.
- The Landscape Contractor shall be responsible for examining fully both the site and the bid documents. Discrepancies in the documents or the actual site conditions shall be reported to the City Project Manager in writing at the time of bidding or discovery. No account shall be made after contract completion for failure to report such condition, or for errors on the part of the Landscape Contractor at the time of bidding.
- The Landscape Contractor shall be responsible for securing all necessary applicable permits and licenses to perform the work set forth in this plan set and the specifications.
- Plant material shall be bid as specified unless unavailable, at which time the City Project Manager will be notified by telephone and in writing of intended changes.
- Any and all questions concerning the plan set and/or specifications shall be directed to the City Project Manager at (727) 562-4737.
- There shall be no additions, deletions or substitutions without the written approval of the City Project Manager.
- The Landscape Contractor shall guarantee, in writing, plant survivability for a period of twelve (12) months from final acceptance by the City Project Manager.
- All dimensions to be field-checked by the Landscape Contractor prior to landscape material installation. Discrepancies shall be reported immediately to the City Project Manager.
- All materials must be as specified on the landscape plan. If materials or labor do not adhere to specifications, they will be rejected by the City Project Manager with proper installation carried out by Landscape Contractor at no additional cost.
- All permits necessary are to be provided by the installing contractor unless otherwise specifically stated in the specifications.
- No contractor identification signs shall be permitted on the project, except for the project information signs.
- Existing sod shall be removed as necessary to accommodate new plantings.
- Any existing sod areas that are unnecessarily disturbed during the landscape installation shall be resodded to match existing.
- The Landscape Contractor will be responsible for the collection, removal, and proper disposal of any and all debris generated during the installation of this project.

NOTES:

- All wood shall be spruce or pine, not pressure treated.
- Cross ties shall not cross over woody roots.
- Remove all string &/or wire wrapped around trunk.
- Remove all straps, ropes, wire, &/or strings used to lift the rootball.
- Remove all burlap &/or wire from the top of the root ball.
- Top of rootball to be set 3"-4" above surrounding finish grade.



N.T.S.

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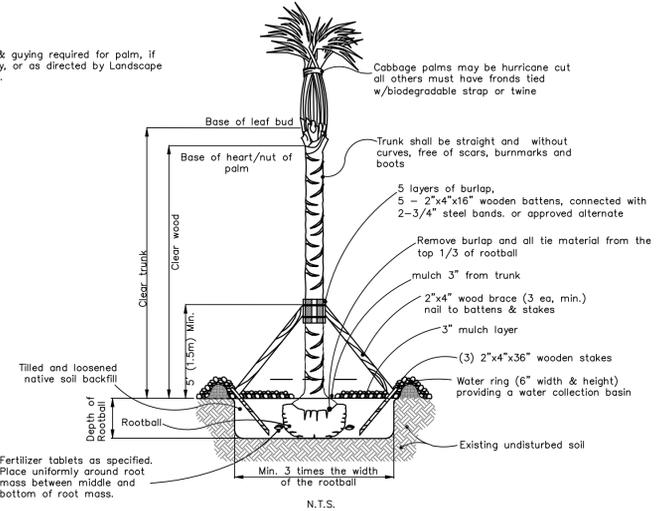
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NOTE: Staking & guying required for palm, if necessary, or as directed by Landscape Architect.



N.T.S.

IRRIGATION NOTES

- A low volume irrigation system, that provides 100% coverage of all plantings and sod, will be designed and installed by contractor.
- The proposed irrigation system must meet or exceed all applicable City code requirements (i.e., Back Flow Prevention, Automatic Rain Shutoff Device, etc...)
- Contractor must coordinate location and size of irrigation water meter with the City Project Manager.
- Contractor must coordinate the placement and power supply for the irrigation control timer with the City Project Manager.
- The proposed irrigation system must use irrigation components from the Parks & Recreation Department's most current approved products list, available from the City Project Manager.
- The proposed irrigation system must be designed in compliance with the Parks & Recreation Department's Irrigation System Design guidelines, available from the City Project Manager.
- Irrigation Shop Drawings must be prepared and submitted for approval by the City Project Manager prior to commencement of work.
- The irrigation system must be inspected and accepted by the City Project Manager prior to backfilling trenches or installation of mulch.
- Irrigation As-Built drawings, accurately and clearly identify any and all modifications and/or substitutions, must be submitted to the City Project Manager prior to final inspection and acceptance.

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FERTILIZATION NOTES

SHRUBS AND TREES

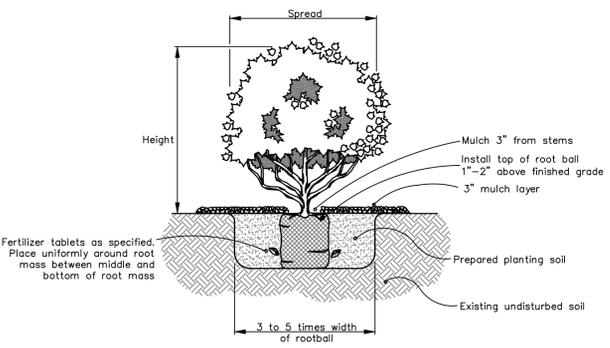
All trees and shrubs shall be fertilized with "Agriform" 20-15-5 planting tablets at time of installation and prior to completion of pit backfilling. Tablets shall be placed uniformly around the root mass at a depth that is between the middle and bottom of the root mass.

APPLICATION RATE:

- 1 Gallon can: 1 - 21 gram tablet
- 3 Gallon can: 2 - 21 gram tablets
- 5 Gallon can: 3 - 21 gram tablets
- 7 Gallon can: 4 - 21 gram tablets
- Trees: 3 - 21 gram tablets each 1/2" of caliper
- Palms: 7 - 21 gram tablets

GROUNDCOVER AREAS

All groundcover areas shall receive fertilization with "Osmocote" time release fertilizer as per manufacturer's specifications.



N.T.S.

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Northside Engineering, Inc.
 300 South Belsheer Road, Clearwater, Florida 33765
 Phone: 727-298-8888 Fax: 727-298-8888
 Email: info@northsideengineering.net
 Est. 1989

Civil, Land Planning, Traffic Studies, Landscape Architecture
 Due Diligence Reports, Land Use Rezoning
 Stormwater Management, Utility Design
 Construction Administration

Gary R. Crumley, ASLA
 L.A. 00011362 FL

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 EMPLOYED WITH THE SIGNING ENGINEER'S SEAL

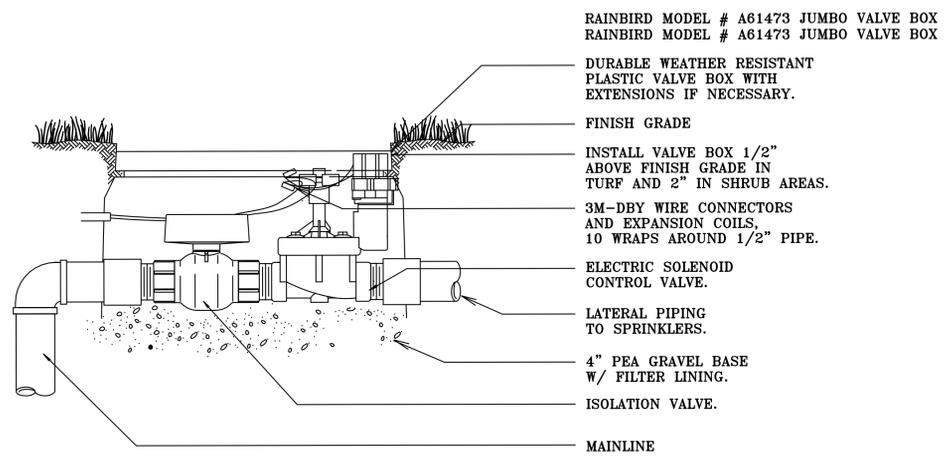
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| REVISIONS: | | |
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| ▲ | 06/30/22 | COUNTY REVIEW |
| ▲ | 01/04/23 | CITY COMMENTS |
| ▲ | 04/06/23 | CITY COMMENTS |
| ▲ | 05/26/23 | CITY COMMENTS |
| ▲ | 08/14/23 | CITY COMMENTS |
| ▲ | 10/05/23 | CITY COMMENTS |
| ▲ | 10/20/23 | CITY COMMENTS |

LANDSCAPE DETAILS

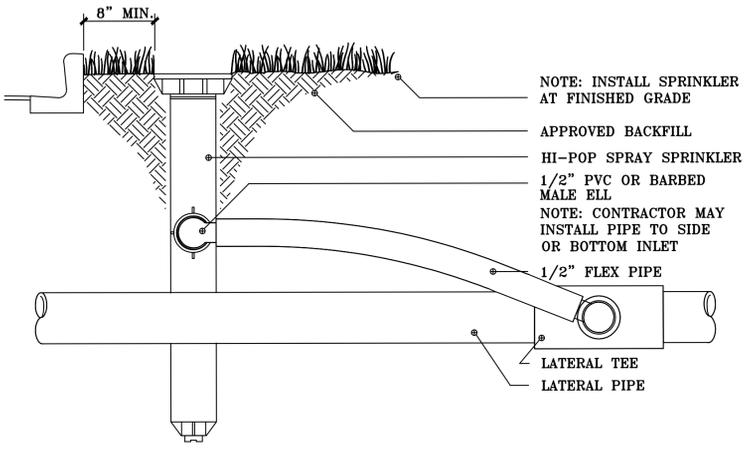
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 2236 ATMI JUNIOR GREENE DRIVE,
 CLEARWATER, FL 33765

Northside Engineering, Inc.
L1.2

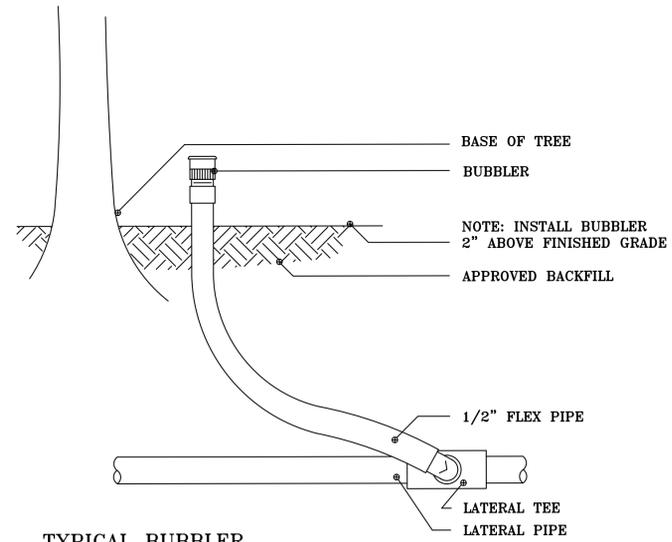
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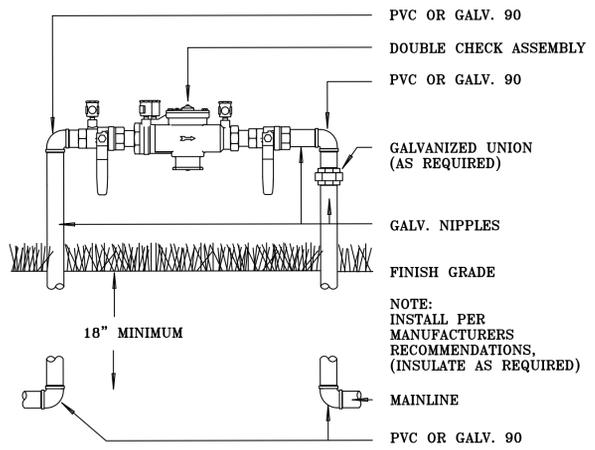
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NOT TO SCALE



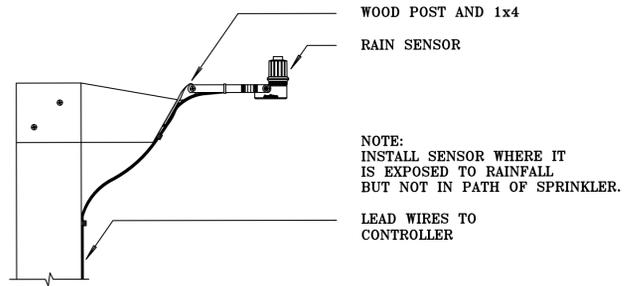
TYPICAL HI-POP SPRAY OR ROTOR SPRINKLER
NOT TO SCALE



TYPICAL BUBBLER
NOT TO SCALE



DOUBLE CHECK ASSEMBLY
NOT TO SCALE



TYPICAL RAIN SENSOR
NOT TO SCALE

NOTES

Irrigation Contractor shall be responsible for all applicable fees and permits.

Irrigation Contractor shall comply with all state and local codes and shall clarify any discrepancies on the plan prior to bidding.

All Pipe and Wire under paving shall be placed in Schedule 40 P.V.C. Sleeves for the full pavement coverage length and shall be at least 24" below grade.

Mainlines shall be buried to provide a minimum cover of 18", while all Lateral lines shall have a minimum of 12".

The Contractor should take care to reroute piping as necessary to avoid plant or tree roots.

All Piping to Solenoid Valve to be PR-160 P.V.C.
All Piping downstream of Solenoid Valve to be PR-200 P.V.C.

All Control Wiring to be 14/1 U.F. direct burial.

MainLine, Valves, etc. may be shown out of position for graphic clarity. Drawing is diagrammatic only.

All Spray Sprinklers shall be provided with "SAM" & "PRS" options installed by manufacturer..

All Sprinklers shall be site adjusted to prevent water overthrow onto building surfaces, roadways, and walkways.

Contractor shall verify with owners representative all controller programming, including monthly adjustments, prior to final inspection.

PER SWFWMD LAWN AND LANDSCAPE IRRIGATION RULE:
Irrigation of new landscape is allowed at any time of day on any day for the initial 30 days and every other day for the next 30 days for a total of one 60-day period, provided that the irrigation is limited to the minimum amount necessary for establishment.

Install Backflow Preventer in an inconspicuous location such as inside Lift Station or behind shrubbery. See Irrigation Plan.

WATER SUPPLY LOCATED ON IRRIGATION PLAN.

Owner to provide power to controller.
Install in accordance with manufacturer's guide manual.

Gary R. Crumley, ASLA
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| | | |
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| ISSUE DATE: | 01/13/22 | |
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| No. | Date | Description |
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| Δ | 06/30/22 | COUNTY REVIEW |
| Δ | 01/04/23 | CITY COMMENTS |
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| Δ | 05/26/23 | CITY COMMENTS |
| Δ | 08/14/23 | CITY COMMENTS |
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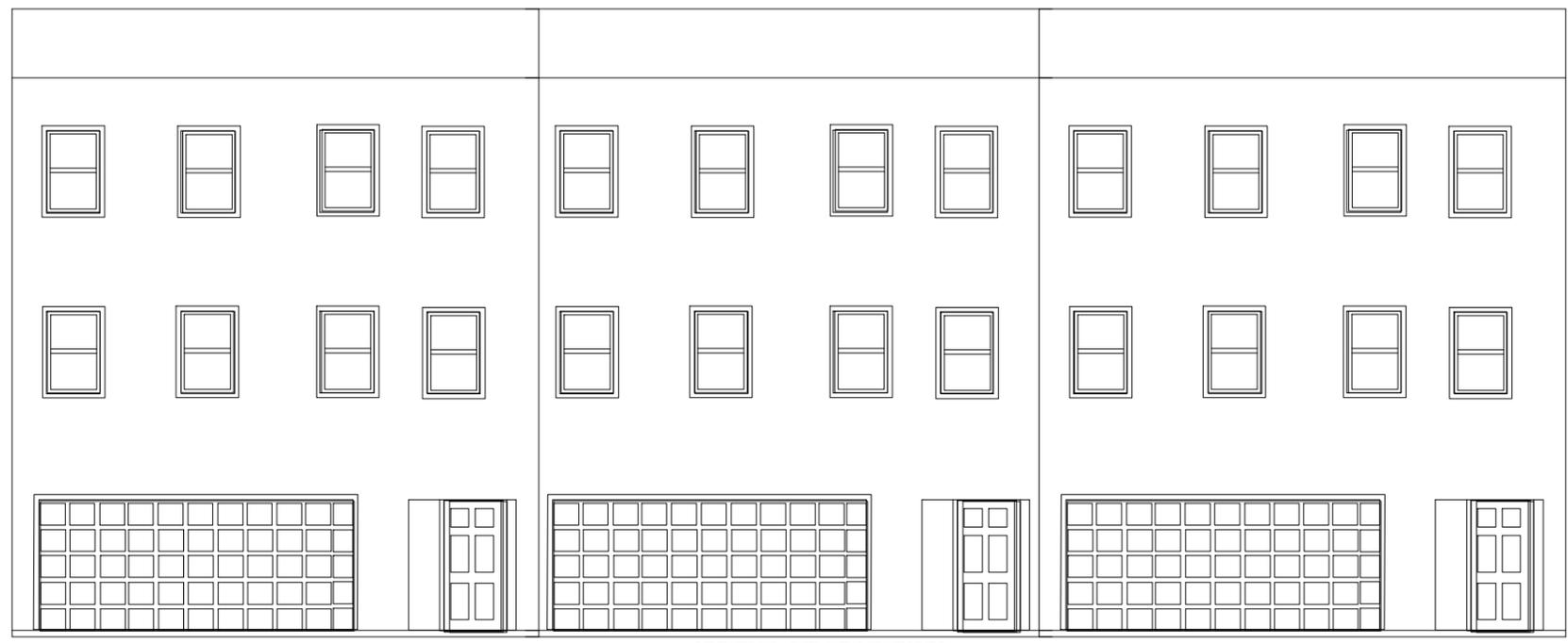
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2236 ATMI JUNIOR GREENE DRIVE,
CLEARWATER, FL 33765

BCP# 2017-12333

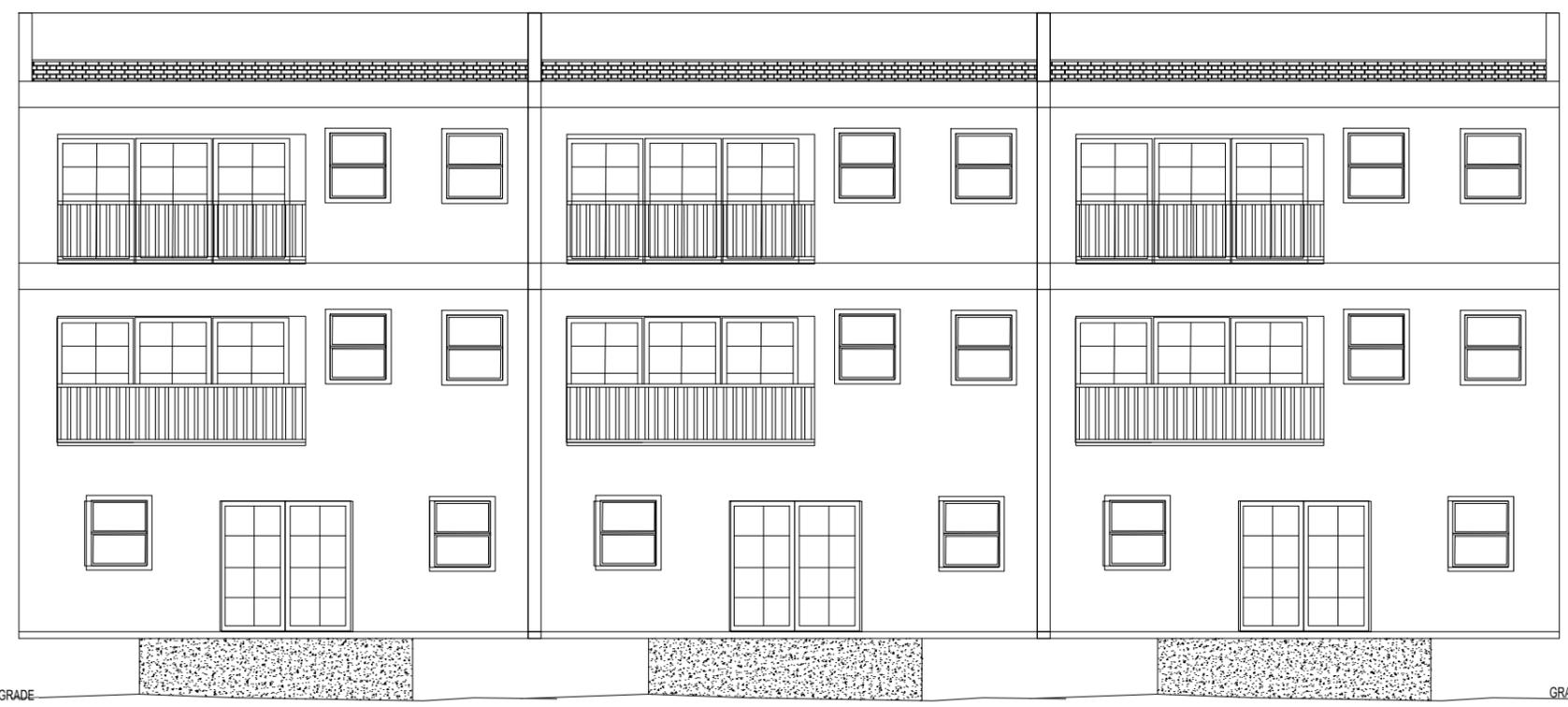
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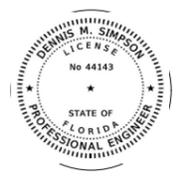
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WEST ELEVATION



EAST ELEVATION



THESE PLANS ARE DESIGNED AND THE WORK IS TO BE PERFORMED IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE SEVENTH EDITION; AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES AND STANDARDS

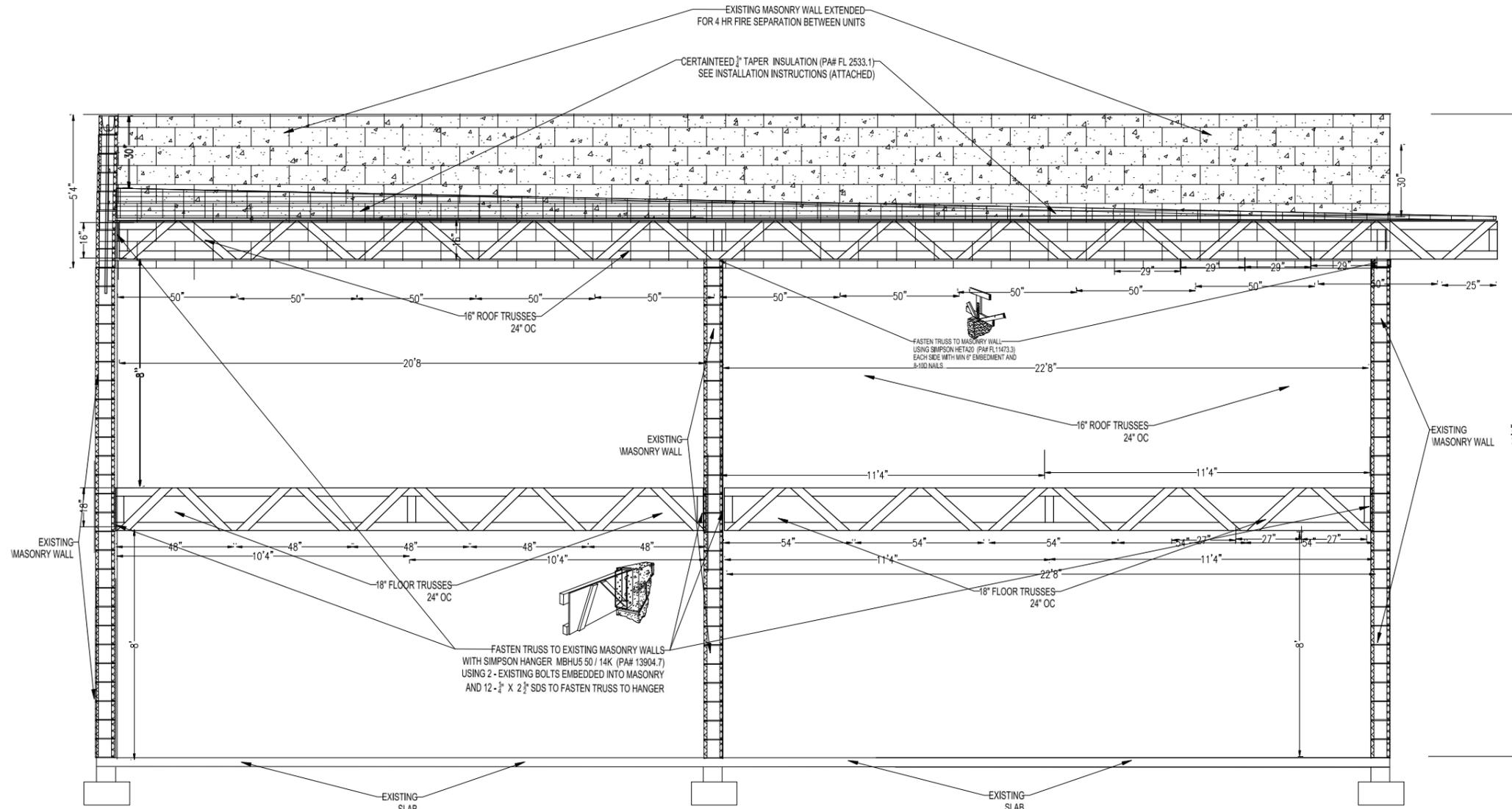
THE PRODUCTS AND PROVISIONS SPECIFIED IN THESE PLANS REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. MATERIALS AND PROCEDURES THAT ARE COMPATIBLE WITH OR EXCEED THESE SPECIFICATIONS ARE ACCEPTABLE SUBSTITUTES

BY: DENNIS SIMPSON PE
#44143

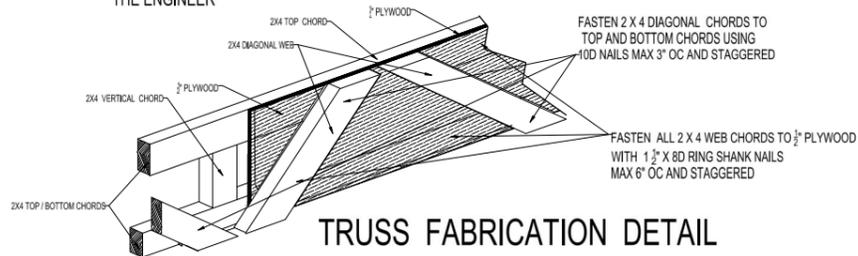
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| DESIGNED BY DENNIS SIMPSON PE | | | |
| ELEVATIONS | | | |
| PROPERTY ADDRESS: 1401 S BELCHER RD ST CLEARWATER, FLORIDA | | | |
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| SCALE: 1/4"=1' | DATE: MAY 2022 | SHEET 9 OF 9 | |

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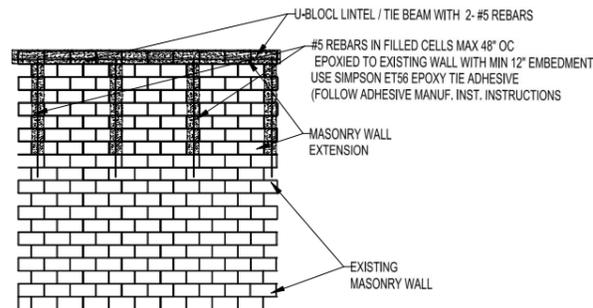


TRUSS NOTE: BECAUSE OF THE NEED FOR ACCURACY IN THE LENGTH OF THE TRUSSES, TRUSSES ARE TO BE INDIVIDUALLY ASSEMBLED AND INSTALLED ON SITE IN CONSULTATION WITH THE ENGINEER

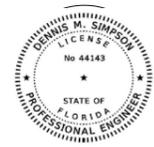


TRUSS FABRICATION DETAIL

SECTIONAL DETAIL



SEPARATING WALL EXTENSION DETAIL



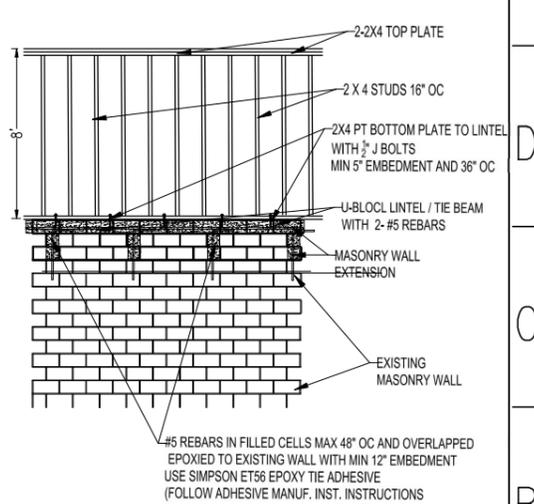
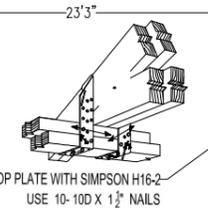
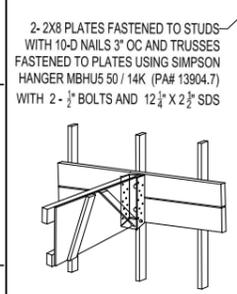
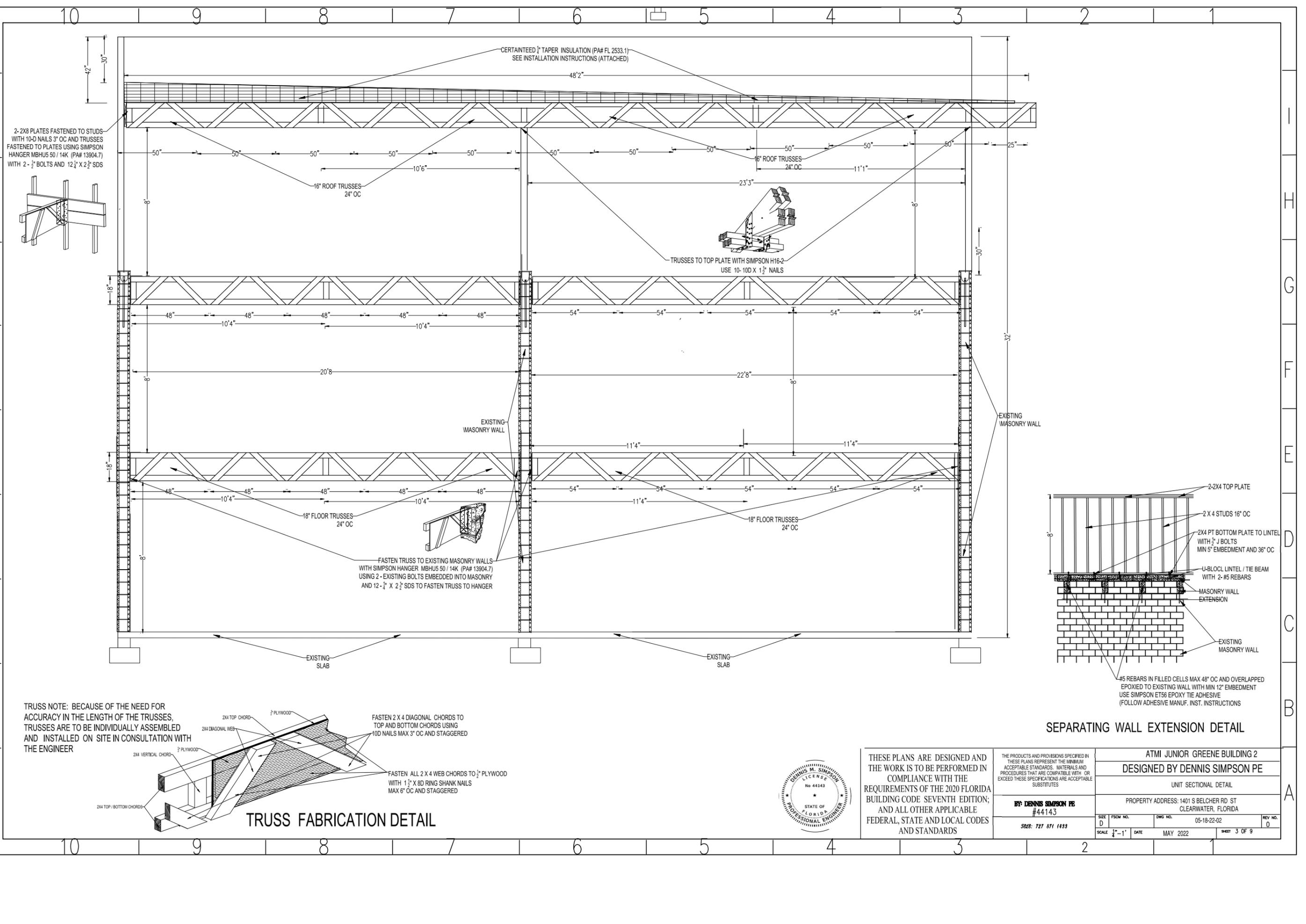
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THE PRODUCTS AND PROVISIONS SPECIFIED IN THESE PLANS REPRESENT THE MINIMUM ACCEPTABLE STANDARDS. MATERIALS AND PROCEDURES THAT ARE COMPATIBLE WITH OR EXCEED THESE SPECIFICATIONS ARE ACCEPTABLE SUBSTITUTES

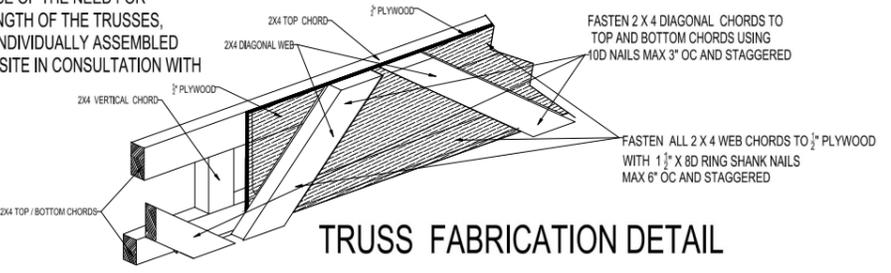
BY: DENNIS SIMPSON PE
#44143

3628: 727 571 1933

| | | | |
|---|----------|--------------|---------|
| ATMI JUNIOR GREENE BUILDING 1 | | | |
| DESIGNED BY DENNIS SIMPSON PE | | | |
| UNIT SECTIONAL DETAIL | | | |
| PROPERTY ADDRESS: 1401 S BELCHER RD. ST CLEARWATER, FLORIDA | | | |
| SIZE | FSM NO. | DWG NO. | REV NO. |
| D | | 05-18-22-02 | 0 |
| SCALE | DATE | SHEET 3 OF 9 | |
| 3/4"=1' | MAY 2022 | | |



TRUSS NOTE: BECAUSE OF THE NEED FOR ACCURACY IN THE LENGTH OF THE TRUSSES, TRUSSES ARE TO BE INDIVIDUALLY ASSEMBLED AND INSTALLED ON SITE IN CONSULTATION WITH THE ENGINEER



TRUSS FABRICATION DETAIL



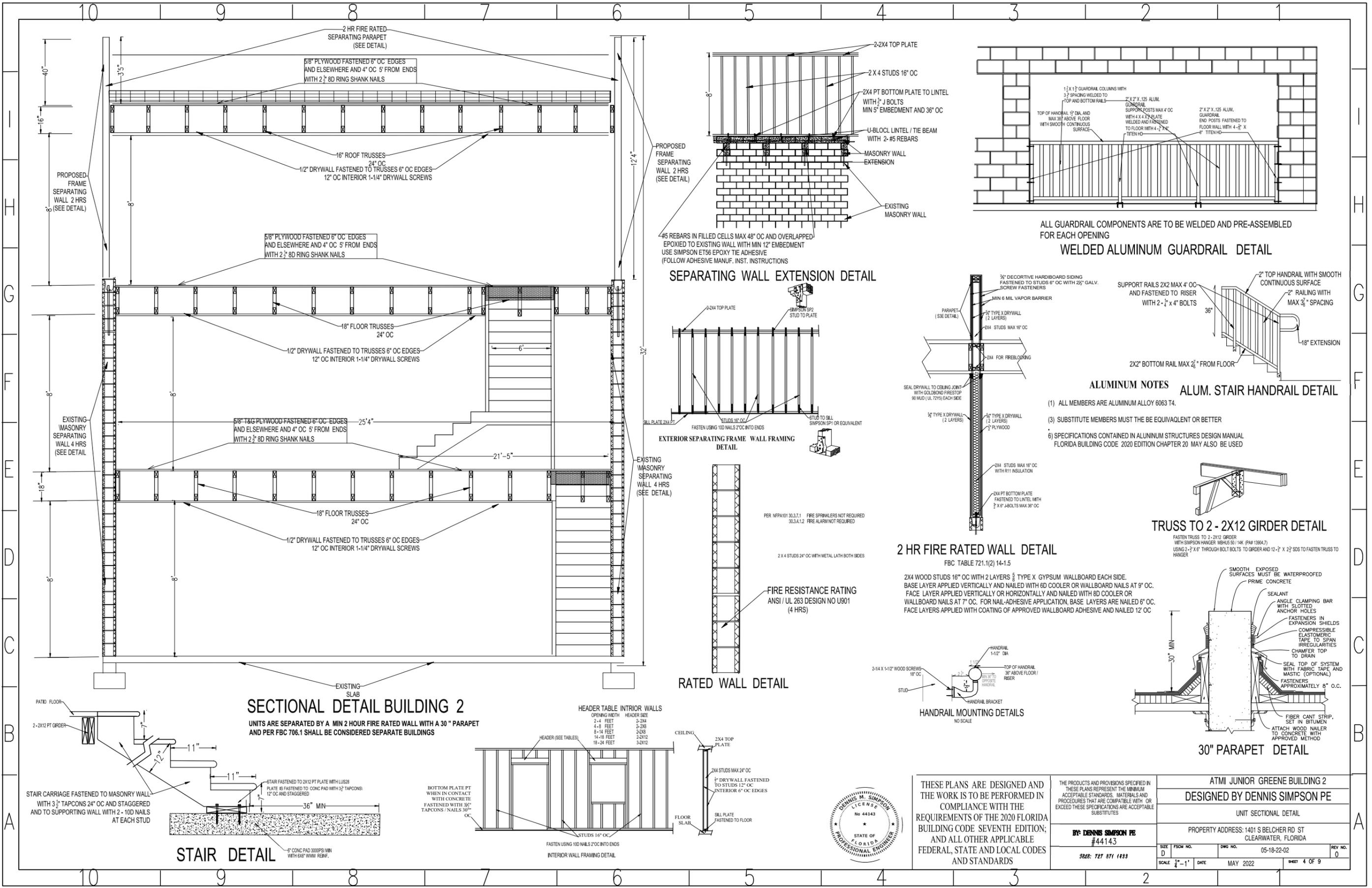
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BY: DENNIS SIMPSON PE
#44143

3628: 727 871 1833

| | | | |
|--|----------|-------------|---------|
| ATMI JUNIOR GREENE BUILDING 2 | | | |
| DESIGNED BY DENNIS SIMPSON PE | | | |
| UNIT SECTIONAL DETAIL | | | |
| PROPERTY ADDRESS: 1401 S BELCHER RD ST CLEARWATER, FLORIDA | | | |
| SIZE | FSOM NO. | DWG NO. | REV NO. |
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| 1/4" = 1' | MAY 2022 | 3 OF 9 | |



SECTIONAL DETAIL BUILDING 2
 UNITS ARE SEPARATED BY A MIN 2 HOUR FIRE RATED WALL WITH A 30" PARAPET
 AND PER FBC 706.1 SHALL BE CONSIDERED SEPARATE BUILDINGS

STAIR DETAIL

SEPARATING WALL EXTENSION DETAIL

EXTERIOR SEPARATING FRAME WALL FRAMING DETAIL

RATED WALL DETAIL

2 HR FIRE RATED WALL DETAIL

TRUSS TO 2-2X12 GIRDER DETAIL

WELDED ALUMINUM GUARDRAIL DETAIL

ALUM. STAIR HANDRAIL DETAIL

30" PARAPET DETAIL

PROPOSED FRAME SEPARATING WALL 2 HRS (SEE DETAIL)

16" ROOF TRUSSES 24" OC

1/2" DRYWALL FASTENED TO TRUSSES 6" OC EDGES 12" OC INTERIOR 1-1/4" DRYWALL SCREWS

5/8" PLYWOOD FASTENED 6" OC EDGES AND ELSEWHERE AND 4" OC 5' FROM ENDS WITH 2 1/2" 8D RING SHANK NAILS

12" 4"

PROPOSED FRAME SEPARATING WALL 2 HRS (SEE DETAIL)

18" FLOOR TRUSSES 24" OC

1/2" DRYWALL FASTENED TO TRUSSES 6" OC EDGES 12" OC INTERIOR 1-1/4" DRYWALL SCREWS

5/8" 1&G PLYWOOD FASTENED 6" OC EDGES AND ELSEWHERE AND 4" OC 5' FROM ENDS WITH 2 1/2" 8D RING SHANK NAILS

25' 4"

21'-5"

18" FLOOR TRUSSES 24" OC

1/2" DRYWALL FASTENED TO TRUSSES 6" OC EDGES 12" OC INTERIOR 1-1/4" DRYWALL SCREWS

EXISTING MASONRY SEPARATING WALL 4 HRS (SEE DETAIL)

EXISTING MASONRY SEPARATING WALL 4 HRS (SEE DETAIL)

2X4 STUDS 24" OC WITH METAL LATH BOTH SIDES

FIRE RESISTANCE RATING ANSI / UL 263 DESIGN NO U901 (4 HRS)

PER NFPA101 30.3.7.1 FIRE SPRINKLERS NOT REQUIRED 30.3.4.1.2 FIRE ALARM NOT REQUIRED

FBC TABLE 721.1(2) 14-1.5

2X4 WOOD STUDS 16" OC WITH 2 LAYERS 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE. BASE LAYER APPLIED VERTICALLY AND NAILED WITH 8D COOLER OR WALLBOARD NAILS AT 9" OC. FACE LAYER APPLIED VERTICALLY OR HORIZONTALLY AND NAILED WITH 8D COOLER OR WALLBOARD NAILS AT 7" OC. FOR NAIL-ADHESIVE APPLICATION, BASE LAYERS ARE NAILED 6" OC. FACE LAYERS APPLIED WITH COATING OF APPROVED WALLBOARD ADHESIVE AND NAILED 12" OC.

SMOOTH EXPOSED SURFACES MUST BE WATERPROOFED PRIME CONCRETE

SEALANT ANGLE CLAMPING BAR WITH SLOTTED ANCHOR HOLES

FASTENERS IN EXPANSION SHIELDS COMPRESSIBLE ELASTOMERIC TAPE TO SPAN IRREGULARITIES CHAMFER TOP TO DRAIN

SEAL TOP OF SYSTEM WITH FABRIC TAPE AND MASTIC (OPTIONAL)

FASTENERS APPROXIMATELY 8" O.C.

FIBER CANT STRIP SET IN BITUMEN ATTACH WOOD NAILER TO CONCRETE WITH APPROVED METHOD

ALL GUARDRAIL COMPONENTS ARE TO BE WELDED AND PRE-ASSEMBLED FOR EACH OPENING

- ALUM. NOTES**
- (1) ALL MEMBERS ARE ALUMINUM ALLOY 6063 T4.
 - (3) SUBSTITUTE MEMBERS MUST BE THE BE EQUIVALENT OR BETTER
 - (8) SPECIFICATIONS CONTAINED IN ALUMINUM STRUCTURES DESIGN MANUAL FLORIDA BUILDING CODE 2020 EDITION CHAPTER 20 MAY ALSO BE USED

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BY: DENNIS SIMPSON PE #44143

3628: 727 871 1833

| | | | |
|--|----------|-------------|---------|
| ATMI JUNIOR GREENE BUILDING 2 | | | |
| DESIGNED BY DENNIS SIMPSON PE | | | |
| UNIT SECTIONAL DETAIL | | | |
| PROPERTY ADDRESS: 1401 S BELCHER RD ST CLEARWATER, FLORIDA | | | |
| SIZE | FSOM NO. | DWG NO. | REV NO. |
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| 1/4" = 1' | MAY 2022 | | |



HEADER TABLE INTERIOR WALLS

| OPENING WIDTH | HEADER SIZE |
|---------------|-------------|
| 2-4 FEET | 2-2X4 |
| 4-8 FEET | 2-2X6 |
| 8-14 FEET | 2-2X8 |
| 14-18 FEET | 2-2X12 |
| 18-24 FEET | 3-2X12 |

CEILING: 2X4 TOP PLATE

2X4 STUDS MAX 24" OC

1/2" DRYWALL FASTENED TO STUDS 12" OC INTERIOR 6" OC EDGES

FLOOR SLAB: SILL PLATE FASTENED TO FLOOR

STUDS 16" OC

FASTEN USING 10D NAILS 2" OC INTO ENDS

INTERIOR WALL FRAMING DETAIL

PATIO FLOOR

2-2X12 PT GIRDER

STAIR CARRIAGE FASTENED TO MASONRY WALL WITH 3 1/2" TAPCONS 24" OC AND STAGGERED AND TO SUPPORTING WALL WITH 2-10D NAILS AT EACH STUD

STAIR FASTENED TO 2X12 PT PLATE WITH US28 PLATE IS FASTENED TO CONC PAD WITH 3/2" TAPCONS 12" OC AND STAGGERED

36" MIN

5" CONC PAD 3000PSI MIN WITH 6X6" W/M REINF.

EXISTING SLAB