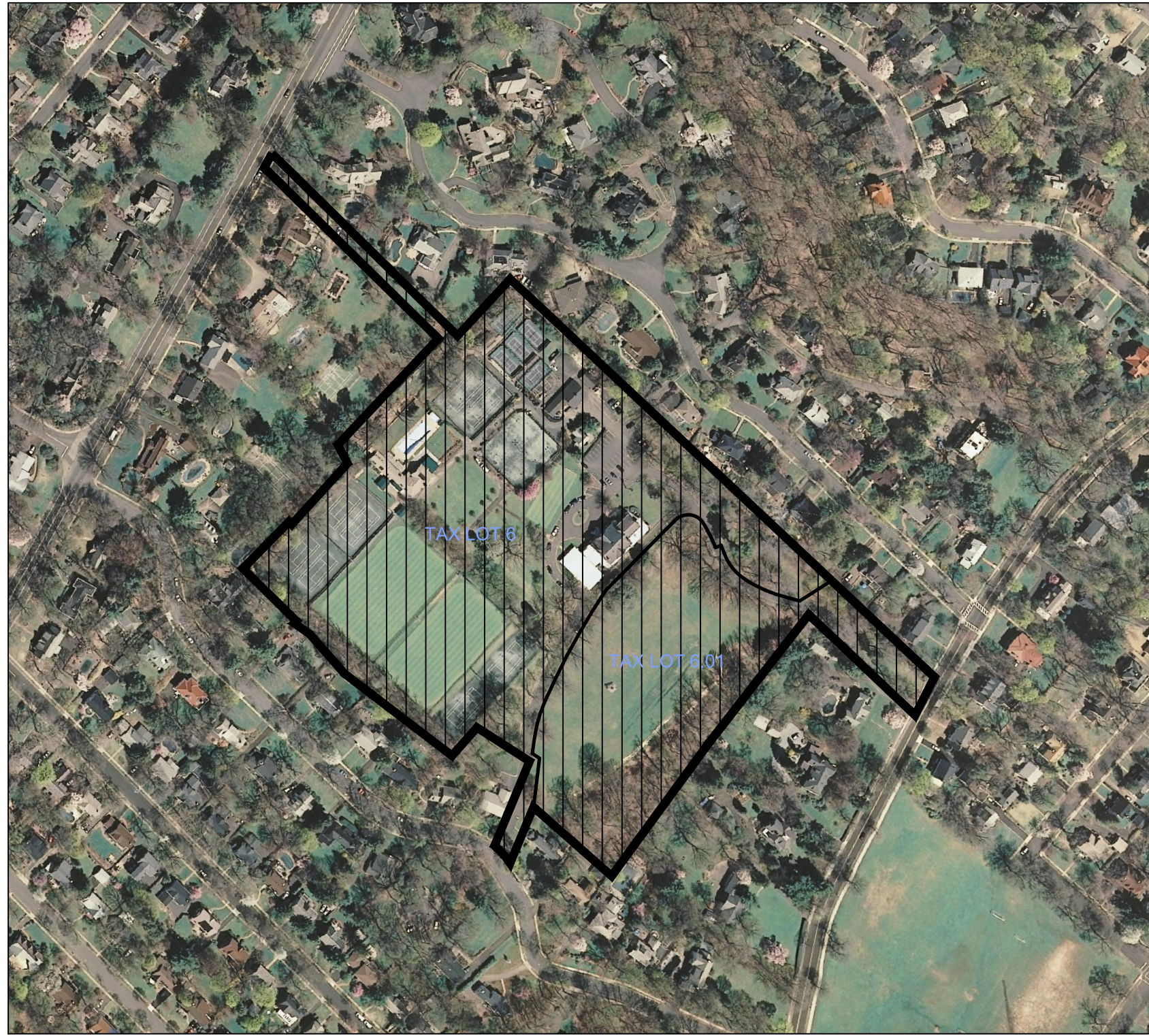


PROPERTY OWNERS WITHIN 200'				
BLOCK	LOT	OWNER	ADDRESS	
205	11	BRYANT, JEFFREY L. & BARBARA T.	303 WYOMING AVE	SOUTH ORANGE, NJ 07079
	12	SHEER, HOWARD M. & ROBIN J.	275 WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	13			
301	1	HIRSCHBERG, CRAIG & HOSKIN, EILEEN	365 FOREST ROAD	SOUTH ORANGE, NJ 07079
	4	BRAUNS, RYAN & EFRAI AVGDOR	333 FOREST ROAD	SOUTH ORANGE, NJ 07079
	5	MECINSKI, MARK A. & KRISTA J. WERGELA	343 FOREST ROAD	SOUTH ORANGE, NJ 07079
302	65	SANTOLUQUIDO, JOSEPH C. & MARIA C.	331 NORTH RIDGEWOOD RD	SOUTH ORANGE, NJ 07079
	66	RITTER, DONNA & LEVINSON, DR. BARRY	265 FOREST ROAD	SOUTH ORANGE, NJ 07079
	67	WRIGHT, DAVID & BRISTAH, PAMELA	271 FOREST ROAD	SOUTH ORANGE, NJ 07079
	68	BRANNIN, JONATHAN & GUAY, RAPHAEL	281 FOREST ROAD	SOUTH ORANGE, NJ 07079
	69	OLENDER, LISA H.	285 FOREST AVENUE	SOUTH ORANGE, NJ 07079
	70	RODINO, FRANK J. & CAROL ANN M.	303 FOREST ROAD	SOUTH ORANGE, NJ 07079
	71	KELLY, JONATHAN D & REBECCA S	5 BROOKSIDE ROAD	SOUTH ORANGE, NJ 07079
	72	LIEBERMAN, ERIC & LOUIS PEARL	317 FOREST ROAD	SOUTH ORANGE, NJ 07079
1202	2	ASHFIELD, BENJAMIN L. & TRIRANASAR, T	314 HILLSIDE PLACE	SOUTH ORANGE, NJ 07079
	3	MIDDLETON, JOHN R & JO ANN	318 HILLSIDE PLACE	SOUTH ORANGE, NJ 07079
	4	WENDT, ALLAN J. & JESSIE	324 HILLSIDE PLACE	SOUTH ORANGE, NJ 07079
	5	KRAUS, MARTIN J. & LORRAINE M	350 HILLSIDE PLACE	SOUTH ORANGE, NJ 07079
	6	CINCOTTA, DAVID E & MARY D	356 HILLSIDE PLACE	SOUTH ORANGE, NJ 07079
1303	23	WOOG, ROBERT & LIGAY M.	230 NORTH WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	24	ANBAR, DAN & SYBILLE	374 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	25	GRIENWALD, LAURENCE D. & RENEE L.	364 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	26	FREDMAN, MARGARETA N. & LEVIN, LEONA	356 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	27	POSS, MICHAEL & FAYE	348 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	28	FRIEDMAN, EDWARD & VIVIAN	340 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	29	SHALOM, ALEXANDER & DELBANDO A.	332 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	30	WASSERMAN, MARC & AIMEE H	324 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	31	SHAPIRO, ADAM DANIEL & RENA LEE	316 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	32	DEPAOLI, FRANK P & KRISTY A	310 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	33	SAWYER, ADAM & MENZ, CAROLYN	300 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	34	BRITO, MIGUEL J. & AMY M. ZIEBARTH	290 REDMOND ROAD	SOUTH ORANGE, NJ 07079
1304	1	FITZHUGH, GERALD	241 RIDGEWOOD ROAD NORTH	SOUTH ORANGE, NJ 07079
	2	ESKENAZI, MICHAEL & LISA	279 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	3	AARTS, FELIX & CLAUDIA A	285 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	4	HOWARD, ROBERT & JENNIFER	291 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	5	DWYER, PATRICK J. & ANNE M. WESSEL	297 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	6	ORANGE LAWN TENNIS CLUB	305 RIDGEWOOD ROAD NORTH	SOUTH ORANGE, NJ 07079
	6.01	ORANGE LAWN TENNIS CLUB	305 RIDGEWOOD ROAD NORTH	SOUTH ORANGE, NJ 07079
	7	WARDHIME, BENJAMIN & JURUENA	311 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	8	COLLURA, ALDO & JOHANNA P.	317 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	9	AULETA, GREGORY & ALEXIS ET ALS	325 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	10	NEHER, LAWRENCE T. & DEBORAH PRINZ	333 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	11	PANZER, CHARLES & CLAUDIA	341 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	12	COLON, J.M. & ZAHARAN, PATRICIA	349 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	13	ZAUBER, NEIL P. & ANN G.	357 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	14	LEEPSON, SUSAN Z. & BRIAN	365 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	15	MONK, GAIL	375 REDMOND ROAD	SOUTH ORANGE, NJ 07079
	16	LYNCH, KRISTIAN & AULESTIA B	244 WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	17	KURSCHNER, MARC & JAMI	260 NO WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	18	JEROW, JOHN G. & JANNA M	270 WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	19	TRAUB, MATTHEW & ADENA KANOFISKY	280 WYOMING AVENUE	SOUTH ORANGE, NJ 07079
	20	DUDA, LILLIAN J.	71 SOUTH ORANGE AVENUE	SOUTH ORANGE, NJ 07079
	21	ROBINSON, BRUCE & TERESA	1883 HUMM LUY/REGENCY 37	SHANGHAI 201204
	22	BENSLIMANE, MOHAMMED & SUSAN L.	356 FOREST ROAD	SOUTH ORANGE, NJ 07079
	23	SCHREIBER, HARLAN & LAURA	344 FOREST ROAD	SOUTH ORANGE, NJ 07079
	24	BUGG LEVINE, ANTONY & MPINGO	330 FOREST ROAD	SOUTH ORANGE, NJ 07079
	25	BURNS, CHRISTOPHER & KATY	318 FOREST ROAD	SOUTH ORANGE, NJ 07079
	26	LAZARUS, ROBERT J & WENDY M	308 FOREST ROAD	OMAHA, NE 68114
	27	WELCH, CRAIG E. & XIOMARA C.	290 FOREST ROAD	SOUTH ORANGE, NJ 07079
	28	YOUELL, LAURENCE S. & JOAN C.	286 FOREST ROAD	SOUTH ORANGE, NJ 07079
	29	FINKELMAN, ALAN A. & LOUISE J.	280 FOREST ROAD	SOUTH ORANGE, NJ 07079
	30	LAUDER, JOHN W. & ALESSANDRO, DEBORAH	270 FOREST ROAD	SOUTH ORANGE, NJ 07079
	31	BEHRENS, JAMES J. & CHERYL E.	266 FOREST ROAD	SOUTH ORANGE, NJ 07079
	32	RETTINO, RAYMOND T. & D K CALDWELL	317 NORTH RIDGEWOOD ROAD	SOUTH ORANGE, NJ 07079
	33	JONES, THOMAS F. & BRIDGES, YVETTE A.	301 NORTH RIDGEWOOD ROAD	SOUTH ORANGE, NJ 07079
	34	TILLIM, STEVE M. & RUTH M	285 NORTH RIDGEWOOD ROAD	SOUTH ORANGE, NJ 07079
	35	BRADSHAW, ALFRED D. JR. & LONG, B.E.	257 NORTH RIDGEWOOD ROAD	SOUTH ORANGE, NJ 07079
	36	HEADLEY, ANDREW M. & ALISON E	249 NORTH RIDGEWOOD ROAD	SOUTH ORANGE, NJ 07079

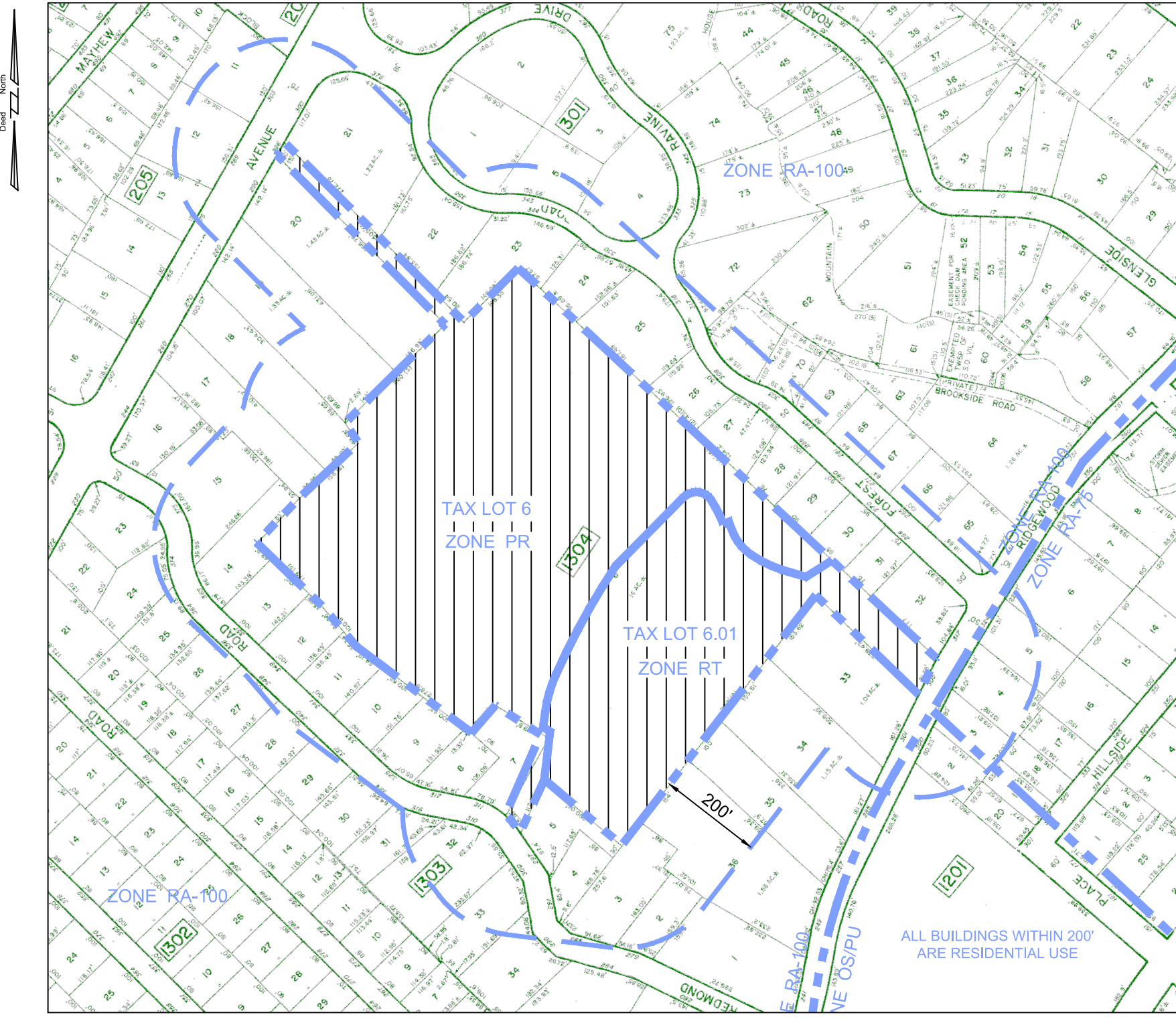


2002 AERIAL PHOTO
SCALE: 1"=250'

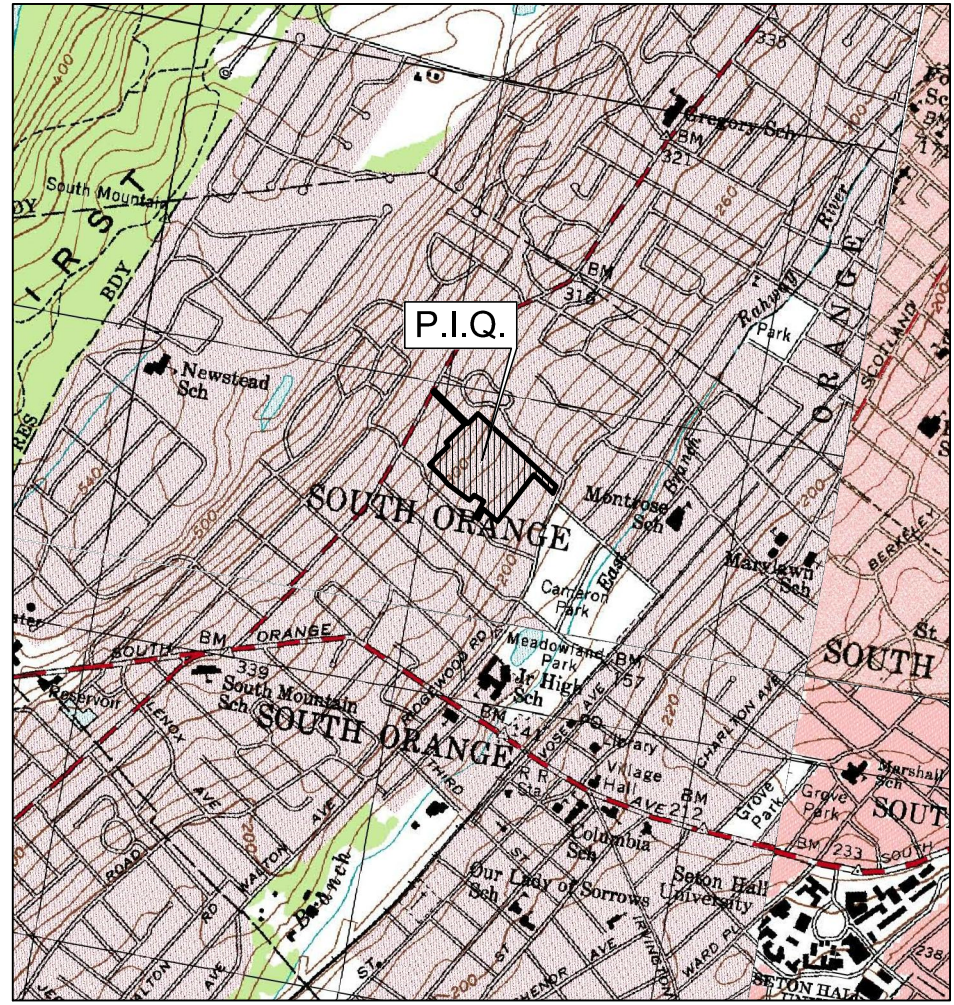
SITE PLAN TENNIS COURT ENCLOSURES

305 RIDGEWOOD ROAD NORTH
TAX LOTS 6 & 6.01, BLOCK 1304

TOWNSHIP OF SOUTH ORANGE VILLAGE, ESSEX COUNTY, NEW JERSEY



AREA MAP
TOWNSHIP OF SOUTH ORANGE
TAX MAPS
1"=250'



USGS MAP
SCALE: 1"=2000'

OWNER/APPLICANT
ORANGE LAWN TENNIS CLUB
c/o WOODMONT PROPERTIES
100 PASSAIC AVENUE, SUITE 240
FAIRFIELD, NJ 07004
Ph: 973.316.9400

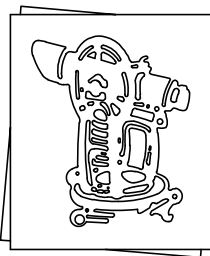
ORANGE LAWN
TENNIS CLUB

AREA
MAP

305 RIDGEWOOD ROAD NORTH
TAX LOTS 6 & 6.01, BLOCK 1304

TOWNSHIP OF SOUTH
ORANGE VILLAGE
ESSEX COUNTY, NJ

CASEY &



KELLER
INCORPORATED

NJ State Board of Professional Engineers & Land
Surveyors Certificate of Authorization # 2462785400

LICENSED PROFESSIONAL
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS

258 Main Street, PO Box 191
Millburn, New Jersey 07041
973-379-3280 Fax: 973-379-7993

MICHAEL T. LANZAFAMA

Michael Lanzafama
New Jersey Professional Engineer No. 30084
New Jersey Professional Land Surveyor No. 03503

DATE: 03-19-2015

REFERENCE	MTL CHK. BY	PM DRAWN BY
2052 MAP NO.	CAD FIELD BOOK	DWG. NO.
1140108 JOB NO.	AS NOTED SCALE	1

REVISIONS

NO.	DESCRIPTION	DATE

DRAWING INDEX

DRAWING NO.	DRAWING TITLE
1	AREA MAP
2	TITLE & PARTIAL TOPOGRAPHIC SURVEY
3	OVERALL SITE PLAN
4	DETAILED TOPOGRAPHIC SURVEY
5	DETAILED GRADING/DRAINAGE, & EROSION CONTROL PLAN
6	CONSTRUCTION DETAILS

DOMES PLANS (BY OTHERS)

AA1.01-1	DOME 1 FLOOR PLAN
AA1.01-2	DOME 2 FLOOR PLAN
AA2.01-1	DOME 1 EXTERIOR ELEVATIONS
AA2.01-2	DOME 2 EXTERIOR ELEVATIONS
AA2.02-1	DOME 1 EXTERIOR ELEVATIONS
AA2.02-2	DOME 2 EXTERIOR ELEVATIONS

PLANNING BOARD APPROVALS

THIS SITE PLAN IS HEREBY APPROVED BY THE PLANNING BOARD OF THE TOWNSHIP OF SOUTH ORANGE, ESSEX COUNTY, NEW JERSEY.

DATE	SECRETARY
DATE	CHAIRMAN
THIS SITE PLAN HAS BEEN REVIEWED AND IS HEREBY APPROVED.	
DATE	TOWNSHIP ENGINEER

Contact List

Water/Sewer Departments
New Jersey American Water
167 John F Kennedy Pkwy - Bldg A
Short Hills, NJ 07078

Township of South Orange Village
Village Hall
101 South Orange Avenue
South Orange, NJ 07079
Ph: (973) 378-7741

Gas & Electricity
Public Service Electric & Gas
Manager - Corporate Properties
80 Park Plaza, T6B
Newark, NJ 07102
Ph: (973) 430-7000

Telephone
Verizon
540 Broad Street
Newark, NJ 07101

Cable
Cablevision
186 West Mark Street
Newark, NJ 07103

THE FOLLOWING APPROVALS ARE REQUIRED:

- TOWNSHIP OF SOUTH ORANGE VILLAGE
a. SITE PLAN APPROVAL
b. BUILDING PERMIT
- HUDSON-ESSEX-PASSAIC SCD CERTIFICATION

PRIVATE RECREATIONAL DISTRICT (PR) TAX LOT 6					
ORDINANCE	DESCRIPTION	REQUIRED	EXISTING	PROPOSED	COMMENTS
	MINIMUMS:				
	TRACT AREA	11 AC	11.0 AC	N/C	C
	SETBACKS				
	FRONT		38.15 FT	N/C	C
	SIDE		163.4 FT	N/C	C
	MAXIMUMS:				
	LOT COVERAGE (WITH EXCEPTIONS OF TENNIS COURTS)	40%	32.18 % (154,214 SF)	33.00% (158,122 SF)	C
	BUILDING HEIGHT	35 FEET & 2 1/2 STORIES		N/C	C
	TEMPORARY TENNIS COURT ENCLOSURE:				
				DOMES #1 DOMES #2	
	HEIGHT OF STRUCTURE (1)	40 FT	N/A	38.75 FT	38.12 FT
	SETBACK FROM PROPERTY LINE	50 FT	N/A	50.00 FT	164.63 FT
	MAX. QUANTITY	2 DOMES	N/A	2 DOMES	
	MAX. COMBINED AREA	30,000 SF	N/A	12,980 SF	12,672 SF
				TOTAL = 25,652 SF	C

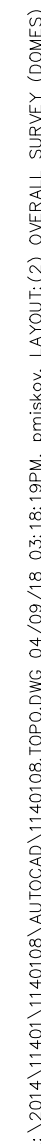
C = CONFORMING, N/A = NOT APPLICABLE, N/C = NO CHANGE, V = VARIANCE

NOTE: USE OF THE TEMPORARY TENNIS COURT STRUCTURE(S) PERMITTED BETWEEN THE DATES OF OCTOBER 15TH AND APRIL 15TH OF THE SUCCEEDING YEAR. PERMITTED HOURS OF ACTIVITIES WITHIN STRUCTURE(S) ARE BETWEEN 7:00AM AND 10:00PM.

1. HEIGHT OF STRUCTURE

DOMES #1
GRADE BEAM = 136.0 FT
AVERAGE EXIST. GRADE = 136.0 + 134.5 + 133.6 + 134.5 + 134.9 + 136.0 + 136.5 + 136.0 = 1082.08 = 135.25 FT
GRADE BEAM TO THE TOP OF DOME = 38.0 FT
HEIGHT = 136.0 + 38.0 + 135.25 = 38.75 FT

DOMES #2
GRADE BEAM = 127.5 FT
AVERAGE EXIST. GRADE = 127.5 + 127.3 + 126.9 + 127.3 + 127.5 + 127.5 + 127.5 + 127.5 = 1019.08 = 127.38 FT
GRADE BEAM TO THE TOP OF DOME = 38.0 FT
HEIGHT = 127.5 + 38.0 + 127.38 = 38.12 FT



RIDGEWOOD ROAD (RIDGEWOOD ROAD) (RIDGEWOOD R.O.W.) (VARIABLE WIDTH R.O.W.)

RIDGE ROAD (RIDGEWOOD ROAD) (RIDGEWOOD R.O.W.) (VARIABLE WIDTH R.O.W.)

WYOMING AVENUE
(VARIABLE WIDTH R.O.W.)

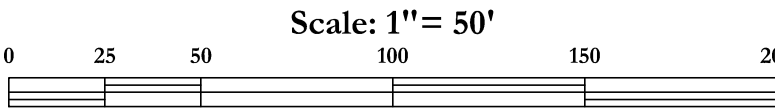
This Survey Is Certified To:

ORANGE LAWN TENNIS CLUB

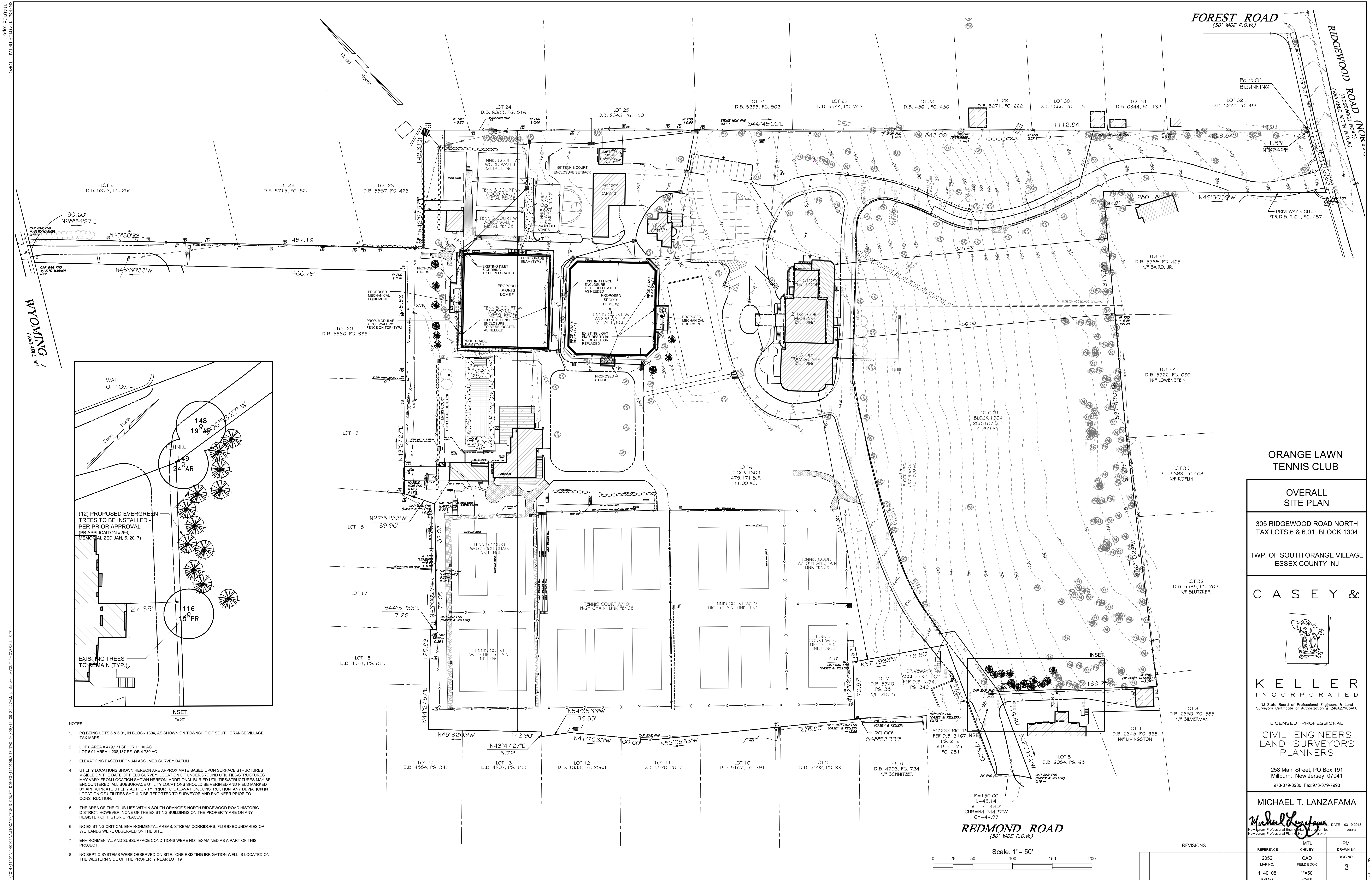
TOWNHOMES AT ORANGE LAWN LLC

EASEMENT NOTES:
EXCEPTIONS FROM:

SCHEDULE B ITEM 10 - D-B: S-12, PG. 265 (WELL RIGHTS)
SCHEDULE B, ITEM 11 - D-D: S101, PG. 84 & D-B: V-74, PG. 344
SCHEDULE B, ITEM 12 - D-D: L-04, PG. 368 (1 FT. FOOT STRIP FOR ACCESS)
SCHEDULE B, ITEM 13 - D-D: S107, PG. 218 (1 FT. FOOT STRIP FOR ACCESS)
SCHEDULE B, ITEM 14 - D-D: T-61, PG. 403 (RELEASE AND DISCHARGE OF H. CHARLES E. HOSKIER OF ANY AND ALL LIABILITY OF RIGHTS TO WATER AND UTILITY OF HOME AND WIRES)
SCHEDULE B, ITEM 15 - D-D: T-61, PG. 407 (SHOW ON PLAN)
SCHEDULE B, ITEM 16 - D-D: T-75, PG. 251 (SHOW ON PLAN)
SCHEDULE B, ITEM 17 - D-D: N-74, PG. 345 (SHOW ON PLAN)
SCHEDULE B, ITEM 18 - D-D: C-66, PG. 52 (ROADWAY EASEMENT)
SCHEDULE B, ITEM 19 - D-D: C-66, PG. 53 (WATER SUPPLY PIPE EASEMENT)(AMENDED ON 02/21/2018)
SCHEDULE B, ITEM 20 - D-D: K-50, PG. 182 (SHOW ON PLAN)
SCHEDULE B, ITEM 21 - D-D: SCHEDULE B, ITEM 20 - CROSS ACCESS AND SHARED DRIVEWAY EASEMENT AGREEMENT IN SUBDIVISION DEED
SCHEDULE B, ITEM 22 - D-D: L-79, PG. 446 & D-B: PG. 532 (31 FOOT STRIP FOR ACCESS)
SCHEDULE B, ITEM 23 - D-D: S190, PG. 302 (SHOW ON PLAN)
SCHEDULE B, ITEM 24 - D-D: SCHEDULE B, ITEM 23 - DEED AS INSTRUMENT
SCHEDULE B, ITEM 25 - D-D: SCHEDULE B, ITEM 24 - DEED AS INSTRUMENT (I.O.W. GRANT)

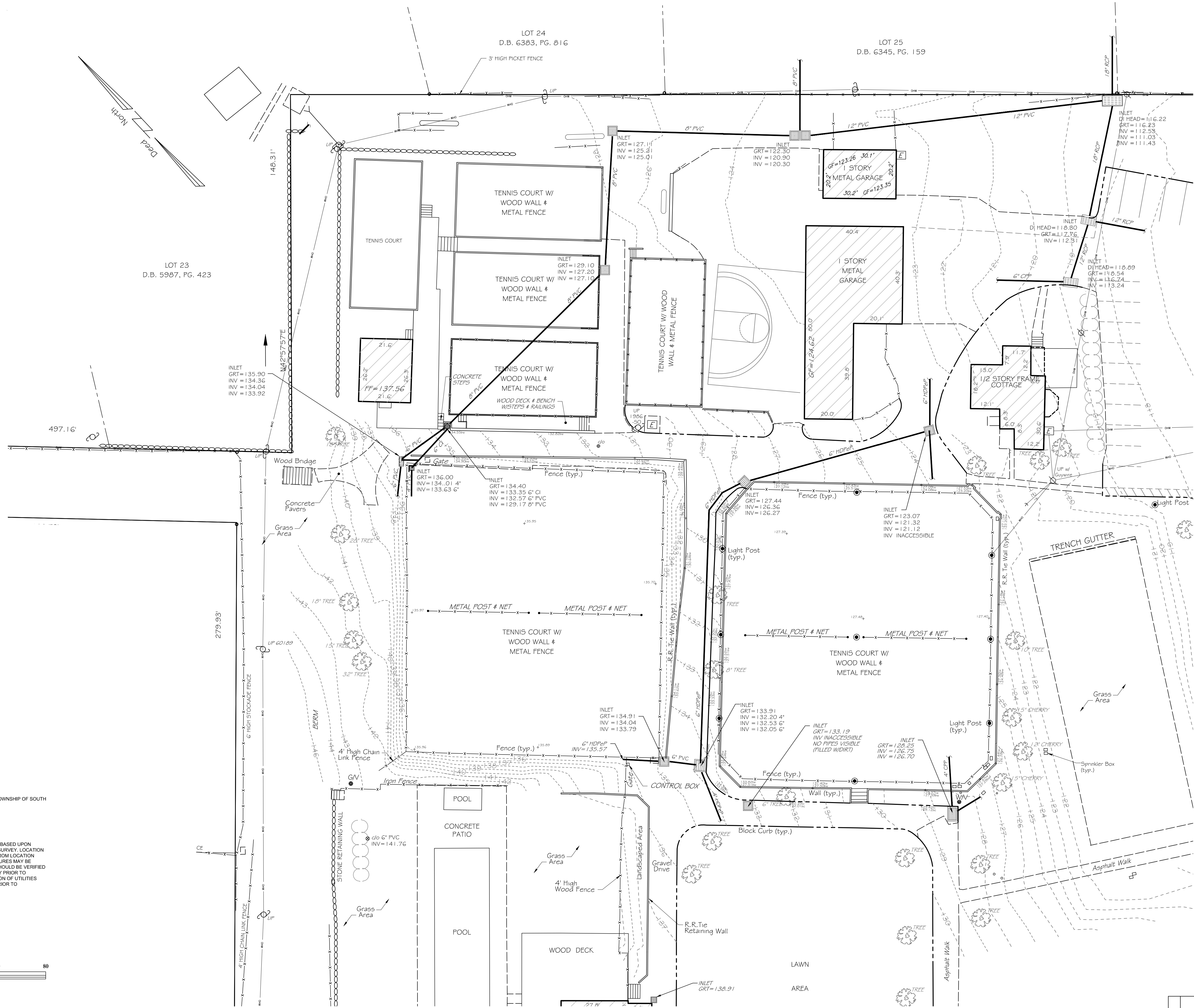
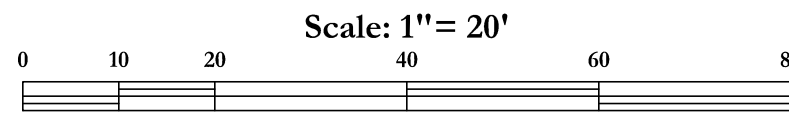


REVISIONS			REFERENCE	MTL CHK. BY	PM DRAWN BY
			2052 MAP NO.	CAD FIELD BOOK	DWG.NO.
2	Survey Updated	03-12-18	1140108 JOB NO.	1"=50' SCALE	2
1	Reissue with No Revision	10-11-16			



LA 2014.11.01.1140108.DETAILED TOPO.DWG 04/09/18 04:17:41PM, arnshaw, LAYOUT.DETAILED TOPO

- NOTES
1. PO BEING LOTS 6 & 6.01, IN BLOCK 1304, AS SHOWN ON TOWNSHIP OF SOUTH ORANGE VILLAGE TAX MAPS.
 2. LOT 6 AREA = 479,171 SF. OR 11.00 AC.
LOT 6.01 AREA = 208,187 SF. OR 4.780 AC.
 3. ELEVATIONS BASED UPON AN ASSUMED SURVEY DATUM.
 4. UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE BASED UPON SURFACE STRUCTURES VISIBLE ON THE DATE OF FIELD SURVEY. LOCATION OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATION SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. ALL SURFACE UTILITY LOCATIONS SHOULD BE VERIFIED AND FIELD MARKED BY APPROPRIATE UTILITY AUTHORITY PRIOR TO EXCAVATION/CONSTRUCTION. ANY DEVIATION IN LOCATION OF UTILITIES SHOULD BE REPORTED TO SURVEYOR AND ENGINEER PRIOR TO CONSTRUCTION.



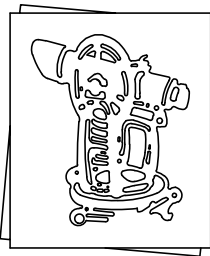
ORANGE LAWN
TENNIS CLUB

DETAILED
TOPOGRAPHIC SURVEY

305 RIDGEWOOD ROAD NORTH
TAX LOTS 6 & 6.01, BLOCK 1304

TWP. OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ

CASEY &



KELLER
INCORPORATED

NJ State Board of Professional Engineers & Land
Surveyors Certificate of Authorization # 24627385400

LICENSED PROFESSIONAL
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS

258 Main Street, PO Box 191
Millburn, New Jersey 07041
973-379-3280 Fax: 973-379-7993

MICHAEL T. LANZAFAMA

Michael Lanzafama
New Jersey Professional Engineer No. 30084
New Jersey Professional Land Surveyor No. 03503

DATE: 03-12-18

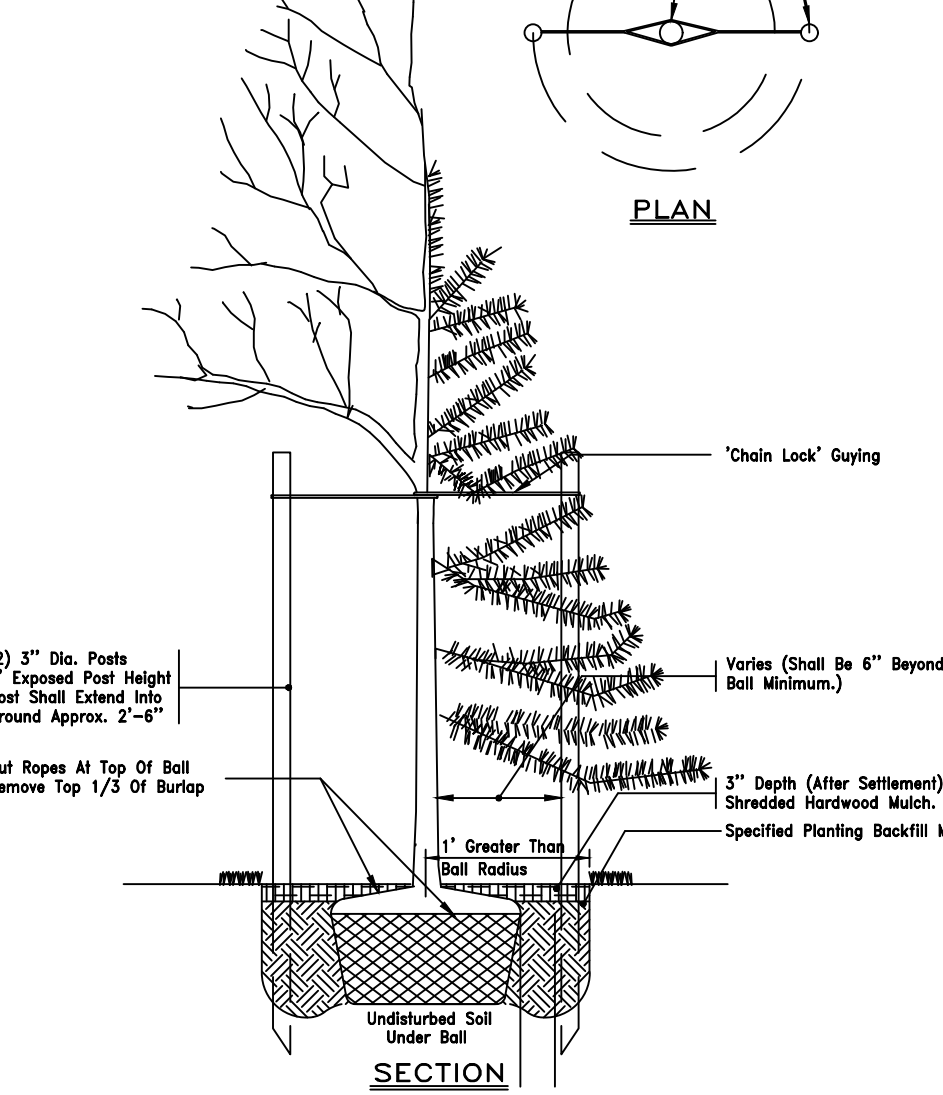
REVISIONS		REFERENCE	MTL CHK. BY	PM DRAWN BY
		2052	CAD	DWG. NO.
		1140108	FIELD BOOK	4
		JOB NO.	1"=20' SCALE	

NOT FILE NO.

11-010108 topo

PLANTING NOTES:

- Crown Of Root Ball Shall Bear Some Tension (Or Slightly Above) To Tilted Grade As It Bore To Previous Grade.
- Do Not Damage Main Roots Or Root Ball When Installing Tree Support Posts.
- Remove Guying And Posts At End Of Guarantee Period.



Tree Planting And Staking Detail

Not To Scale

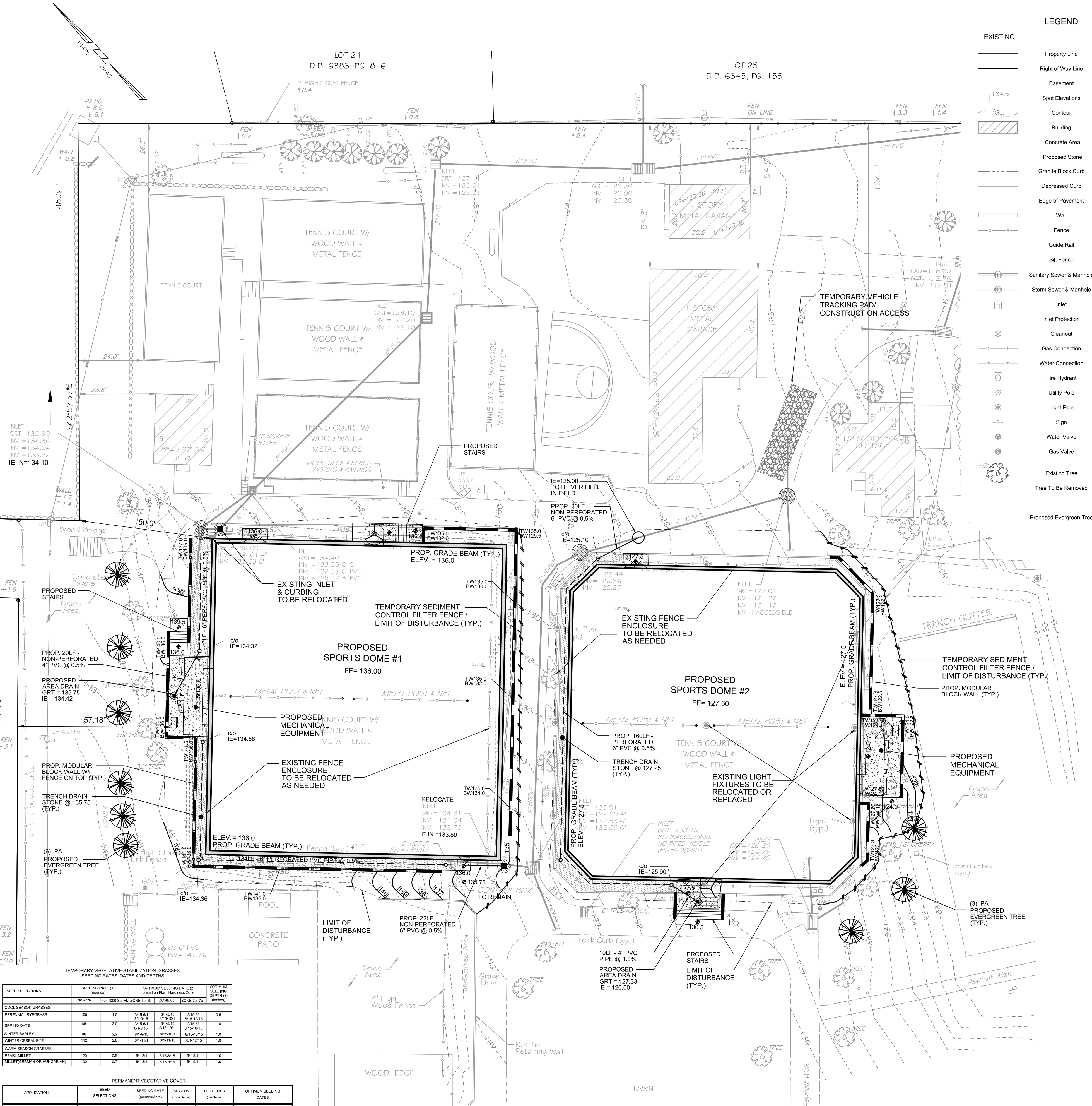
Landscape Notes:

- Mulch All Tree Pits, Plant Beds, And Groundcover Areas With A 3" Depth Of Shredded Hardwood Mulch.
- Planting Locations Shall Be Adjusted In The Field As Required To Avoid Conflicts With As-Built (Or Existing) Utilities And Existing Vegetation.

STANDARD FOR STABILIZATION WITH MULCH ONLY

- Definition**
Stabilizing exposed soils with non-vegetative materials exposed for periods longer than 14 days.
- Purpose**
To protect exposed soil surfaces from erosion damage and to reduce offsite environmental damage.
- Water Quality Enhancement**
Provides temporary mechanical protection against wind or rainfall induced soil erosion until permanent vegetative cover may be established.
- Where Applicable**
This practice is applicable to areas subject to erosion, where the season and other conditions may not be suitable for growing an erosion-resistant cover or where stabilization is needed for a short period until more suitable protection can be applied.
- Methods and Materials**
- Site Preparation
 - Grade as needed and heave to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading shall be done in accordance with Standards for Land Grading.
 - Install needed erosion control practices or facilities such as diversion, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.
 - Protective Materials
 - Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting to down. Other suitable materials may be used if approved by the Soil Conservation District. The approved rates above have been met when the mulch covers the ground completely upon visual inspection, i.e. the inspector cannot see the ground below the mulch.
 - Synthetic or organic soil stabilizers may be used under suitable conditions and in quantities as recommended by the manufacturer.
 - Woodchips or paper-bark mulch at the rate of 1,500 pounds per acre (or according to the manufacturer's requirements) may be applied by a hydroseeder.
 - Mulch netting, such as paper jute, excelsior, cotton, or plastic, may be used.
 - Woodchips applied uniformly to a minimum depth of 2 inches may be used. Woodchips will not be used on areas where flowing water could wash them into an inlet and plug it.
 - Gravel, crushed stone, or slag at the rate of 8 cubic yards per 1,000 sq. ft. applied uniformly to a minimum depth of 3 inches may be used. Size 2 or 3 (ASTM C-33) is recommended.
 - Mulch Anchoring - should be accomplished immediately after placement of hay or straw mulch to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area and steepness of slopes:
 - Post and Twine - Drive 8 to 10 inch wooden posts to within 2 to 3 inches of the soil surface every 4 feet in all directions. Straws may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between posts in a crisscross and a square pattern. Secure twine around each post with two or more round turns.
 - Mulch Netting - Staple paper, cotton, or plastic netting over mulch. Use degradable netting in areas to be mowed. Netting is usually available in rolls 4 feet wide and up to 300 feet long.
 - Comber Mulch Anchoring Coupler Tool - A tractor-drawn implement especially designed to punch and anchor mulch into the soil surface. This practice affords maximum erosion control, but its use is limited to those slopes upon which the tractor can operate safely. Soil penetration should be about 1 to 4 inches. On sloping land, the operation should be on the contour.
 - Liquid Mulch-Binders
 - Applications should be heavier on edges where wind catches the mulch, in valleys, and at crests of banks. Remainder of area should be uniform in appearance.
 - Use one of the following:
 - Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials that mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membrane networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytoxic effect or impede growth of forage. Vegetable based gels shall be applied at rates and weather conditions recommended by the manufacturer.
 - Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates and weather conditions recommended by the manufacturer and remain tacky until germination of grass.

- Seed Preparation**
- A. Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Cooperative Extension. Soil sample material (grasses) are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre of 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless it is specifically indicated otherwise. Apply limestone in accordance with Table 4-1, page 4-2 and the results of soil testing. Calcium carbonate is the equivalent and standard for measuring the ability of liming materials to neutralize soil acidity and supply calcium and magnesium to grasses and legumes. Table 4-1 is a general guideline for limestone application rates.
- LIMESTONE APPLICATION RATE BY SOIL TEXTURE**
- | SOIL TEXTURE | TONS/ACRE | LBS /1000 SQ. FT. |
|--------------------------------------|-----------|-------------------|
| Clay, Clay loam, & high organic soil | 3 | 135 |
| Sandy loam, loam, all loam | 2 | 90 |
| Loamy sand, sand | 1 | 45 |
- B. Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, springtooth harrow, or other suitable equipment. The final harrowing or discing operation should be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.
- C. Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been a general contour. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.).
- D. High acid producing soil.
- Soils having pH of 4 or less or containing iron sulfide shall be covered with a minimum of 21 inches of soil having a pH of 5 or more before initiating seedbed preparation. See Standard for Management of High Acid Producing Soils, pg. 1-1.



LEGEND

EXISTING

- Property Line
- Right of Way Line
- Easement
- Spot Elevations
- Contour
- Building
- Concrete Area
- Proposed Stone
- Granite Curb
- Depressed Curb
- Edge of Pavement
- Wall
- Fence
- Guide Rail
- Silt Fence
- Sanitary Sewer & Manhole
- Storm Sewer & Manhole
- Inlet
- Inlet Protection
- Cleanout
- Gas Connection
- Water Connection
- Fire Hydrant
- Utility Pole
- Light Pole
- Sign
- Water Valve
- Gas Valve
- Existing Tree
- Tree To Be Removed
- Proposed Evergreen Tree

PROPOSED

- Property Line
- Right of Way Line
- Easement
- Spot Elevations
- Contour
- Building
- Concrete Area
- Proposed Stone
- Granite Curb
- Depressed Curb
- Edge of Pavement
- Wall
- Fence
- Guide Rail
- Silt Fence
- Sanitary Sewer & Manhole
- Storm Sewer & Manhole
- Inlet
- Inlet Protection
- Cleanout
- Gas Connection
- Water Connection
- Fire Hydrant
- Utility Pole
- Light Pole
- Sign
- Water Valve
- Gas Valve
- Existing Tree
- Tree To Be Removed
- Proposed Evergreen Tree

SOIL EROSION AND SEDIMENT CONTROL NOTES

(To be included on the signed erosion control plan sheet)

- All soil erosion and sediment control practices on this plan will be constructed in accordance with the "New Jersey Standards for Soil Erosion and Sediment Control" 7th Edition last revised December 2017. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- All soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, will be temporarily seeded and hay mulched or otherwise provided with vegetative cover. This temporary cover shall be maintained until such time whereby permanent revegetation is established.
- Seeding Dates:** The following seeding dates are recommended to best establish permanent vegetative cover within most locations in the HEPSCOD: Spring - 3/15-4/15 and Fall - 8/15-10/15
- Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established.
- All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.
- Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District.
- All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion shall be rectified immediately.
- The Hudson-Exeter-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. Fax - (862) 333-4507 OR email - INFORMATION@HEPSCOD.ORG
- The applicant must obtain a District issued Report of Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality. NJ - DCA or any other controlling agency. Contact the District at 862-333-4505 to request a Final Inspection, giving advance notice upon completion of the revegetation measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or hydro-seed.
- Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt control basins.
- All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5 inches, firm in place, is required, as per the Standards for Topsoiling and Land Grading, last revised December 2017.
- All plan revisions must be submitted to the District for proper review and approval.
- A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 1/2" crushed angular stone (ASTM 2 or 3) to a minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete.
- Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the applicant's engineer and be approved by the Soil Conservation District.
- The Hudson-Exeter-Passaic Soil Conservation District shall be notified in writing, for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District officials shall be implemented as conditions warrant.
 - 1.1. Install Sediment Control Fence, Vehicle Tracking Pad and Tree Protection 1 Day
 - 1.2. Begin Earthwork operations. Rough Grade property 1 Week
 - 1.3. Install Storm Sewer System & Protect Inlets with Filter Fabric 1 Week
 - 1.4. Construct Retaining Walls & Grade Beams 4 Weeks
 - 1.5. Finalize Grading of Property & Install Temporary Stabilization 1 Week
 - 1.6. Construct concrete pads 1 Week
 - 1.7. Remove Vehicle Tracking Pad & Inlet Protections 2 Days
 - 1.8. Stabilize all remaining disturbed areas with Landscaping, Soil and Mulch as Required 1 Week
 - 1.9. Remove Sediment Control Fence 1 Day
- Project site is located in the Metropolitan Planning Area (MPA-1) District and has been previously developed therefore, is exempt from soil restoration under exemption #6 on page 19-2 of the New Jersey Standards for Soil Erosion Sediment Control.

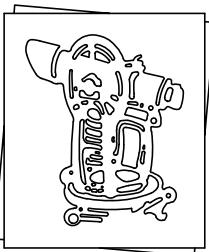
ORANGE LAWN TENNIS CLUB

DETAILED GRADING/DRAINAGE & EROSION CONTROL PLAN

305 RIDGEWOOD ROAD NORTH
TAX LOTS 6 & 6.01, BLOCK 1304

TWP. OF SOUTH ORANGE VILLAGE
ESSEX COUNTY, NJ

CASEY &



KELLER
INCORPORATED

NJ State Board of Professional Engineers & Land Surveyors Certificate of Authorization # 2404788400

LICENSED PROFESSIONAL

CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS

258 Main Street, PO Box 191
Millburn, New Jersey 07041

973-379-3280 Fax: 973-379-7993

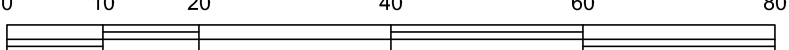
MICHAEL T. LANZAFAMA

Michael Lanzafama
New Jersey Professional Planner No. 03503
DATE 03-19-2018
30084

REVISIONS

REFERENCE	MTL	CHK. BY	PM	DRAWN BY
2052	CAD			
MAP NO.	FIELD BOOK			
11410108	1"=20'			
JOB NO.	SCALE			

Scale: 1"= 20'



Plant List

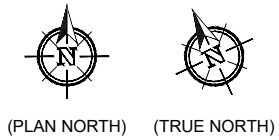
Key	Quan	Botanical Name	Common Name	Size	Root	Comments
PA	9	Picea abies	Norway Spruce	7-8'	B&B	

PERMANENT VEGETATIVE COVER				
APPLICATION	SEED SELECTIONS	SEEDING RATE (pounds/acre)	LIMESTONE (pounds/acre)	FERTILIZER (lbs/acre)
RESIDENTIAL/COMMERCIAL LOTS	TURF TYPE TALL FESCUE	150	2	50 10-20-10
DRAINAGE DITCHES	REED CANARY GRASS	25	2	50 10-20-10
SWALES AND DETENTION BASINS	KENTUCKY BLUEGRASS	60	2	50 10-20-10

SEED SELECTIONS	SEEDING RATE (1) (pounds)	SEEDING RATE (2) (pounds)	SEEDING RATE (3) (pounds)	SEEDING RATE (4) (pounds)
COOL SEASON GRASSES	Per Acre	Per 1000 Sq. Ft.	Per Acre	Per 1000 Sq. Ft.
PERENNIAL RYEGRASS	150	1.5	215/6/15	215/6/15
SPRING RYEGRASS	50	0.5	81/8/15	81/8/15
WINTER RYEGRASS	25	0.25	40/4/15	40/4/15
WINTER CEREAL RYE	112	1.12	81/11/15	81/11/15
WARM SEASON GRASSES				
PERENNIAL BERMUDAGRASS	25	0.25	61/6/15	61/6/15
PERENNIAL CRYSTAL BERMUDAGRASS	30	0.3	61/6/15	61/6/15

APPLICATION	SEED SELECTIONS	SEEDING RATE (pounds/acre)	LIMESTONE (pounds/acre)	FERTILIZER (lbs/acre)	OPTIMUM SEEDING DATES
RESIDENTIAL/COMMERCIAL LOTS	TURF TYPE TALL FESCUE	150	2	50 10-20-10	3/1-4/30 & 8/15-11/15
DRAINAGE DITCHES	REED CANARY GRASS	25	2	50 10-20-10	3/1-4/30 & 8/15-11/15
SWALES AND DETENTION BASINS	KENTUCKY BLUEGRASS	60	2	50 10-20-10	3/1-4/30 & 8/15-11/15

1. SEEDING RATE FOR BERMUDAGRASS SELECTION 3 SHALL BE ADJUSTED TO REFLECT THE AMOUNT OF PURE LINE BERMUDAGRASS (PLB) AS DETERMINED BY A GERMINATION TEST RESULT. NO ADJUSTMENT IS REQUIRED FOR COOL SEASON GRASSES.
2. MAY BE PLANTED THROUGHOUT SUMMER. IF SOIL MOISTURE IS ADEQUATE OR SEEDING AREA CAN BE IRRIGATED.
3. TRACE THE DEPTH FOR SANDY SOILS.



MANUFACTURER (SELLER):
Arizon Structures Worldwide, LLC
11880 Dorsett Rd.
St. Louis, MO, USA 63043
(314)-739-0037

CUSTOMER (BUYER):
Eric Fromm
Orange Lawn Tennis
305 North Ridgewood Road
South Orange, NJ 07079
(914) 772-8406

JOB SITE ADDRESS:
305 North Ridgewood Road
South Orange, NJ 07079

ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.
COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

ISSUES AND REVISIONS	
DRAWN BY:	DATE:
HAY/STEVENS	03/16/2018
APPROVED:	DATE:

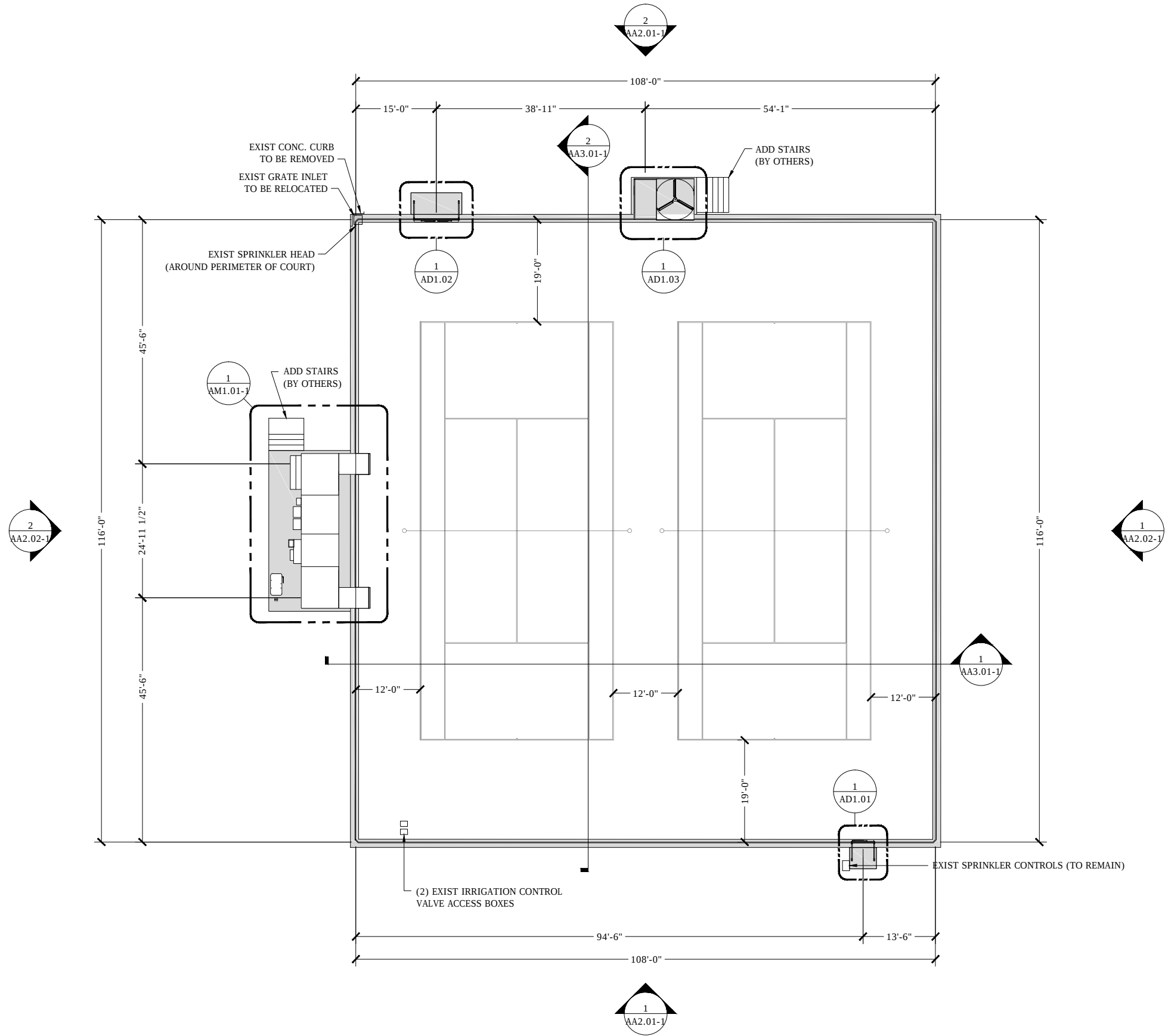
SCALE: ANSI-B SIZE: 3/64"=1'-0"
ANSI-D SIZE: 3/32"=1'-0"



DRAWING TITLE:
**DOME 1
FLOOR PLAN**

PROJECT: **A10270**

DRAWING NO: **AA1.01-1**



LEGEND
ANCHOR LINE
CONCRETE

GENERAL NOTES:
1. ALL DIMENSIONS ARE TAKEN TO ANCHOR LINE UNLESS NOTED OTHERWISE.



ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.

COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

[illegible]

DRAWN BY: HAY/STEVENS	DATE: 03/16/2018
APPROVED:	DATE:

Number of Children	Frequency
0	4
2	16
8	32
32	0

DRAWING NO:
AA1.01-2



1 *DOME FLOOR PLAN*
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION

MANUFACTURER (SELLER):
Arizon Structures Worldwide, LLC
11880 Dorsett Rd.
St. Louis, MO, USA 63043
(314)-739-0037

CUSTOMER (BUYER):
Eric Fromm
Orange Lawn Tennis
305 North Ridgewood Road
South Orange, NJ 07079
(914) 772-8406

JOB SITE ADDRESS:
305 North Ridgewood Road
South Orange, NJ 07079

ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.
COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

ISSUES AND REVISIONS	
DRAWN BY: HAY/STEVENS	DATE: 03/16/2018
APPROVED:	DATE:

SCALE: ANSI-B SIZE: 3/64"=1'-0"
ANSI-D SIZE: 3/32"=1'-0"

0

2'

4'

8'

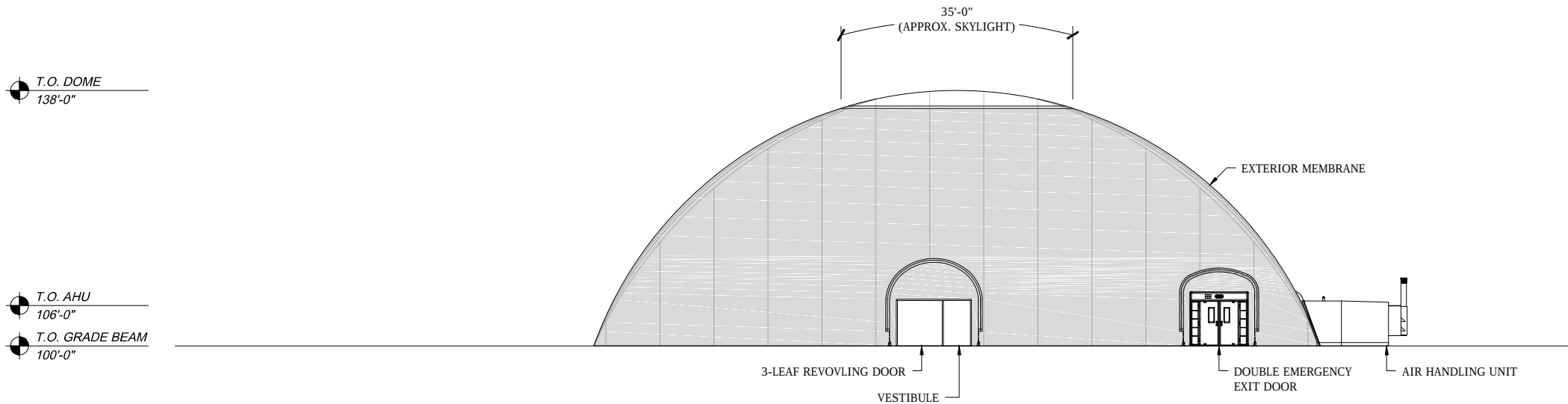
16'

32'

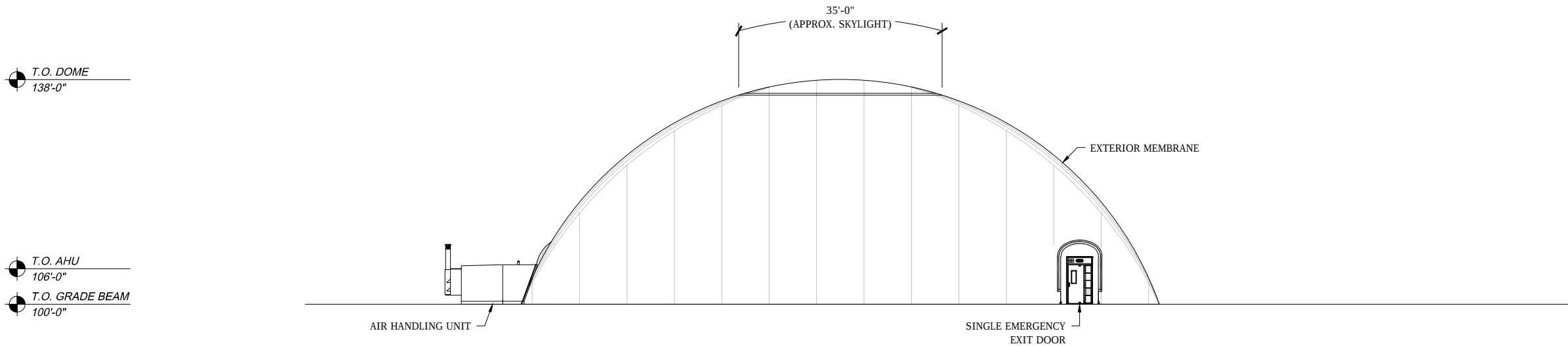
DRAWING TITLE:
DOME 1 EXTERIOR
ELEVATIONS

PROJECT:
A10270

DRAWING NO:
AA2.01-1



2 NORTH ELEVATION
SCALE: 3/32" = 1'=0"



1 SOUTH ELEVATION
SCALE: 3/32" = 1'=0"

NOT FOR CONSTRUCTION

MANUFACTURER (SELLER):
Arizon Structures Worldwide, LLC
11880 Dorsett Rd.
St. Louis, MO, USA 63043
(314)-739-0037

CUSTOMER (BUYER):
Eric Fromm
Orange Lawn Tennis
305 North Ridgewood Road
South Orange, NJ 07079
(914) 772-8406

JOB SITE ADDRESS:
305 North Ridgewood Road
South Orange, NJ 07079

ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.
COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

ISSUES AND REVISIONS	
DRAWN BY: HAY/STEVENS	DATE: 03/16/2018
APPROVED:	DATE:

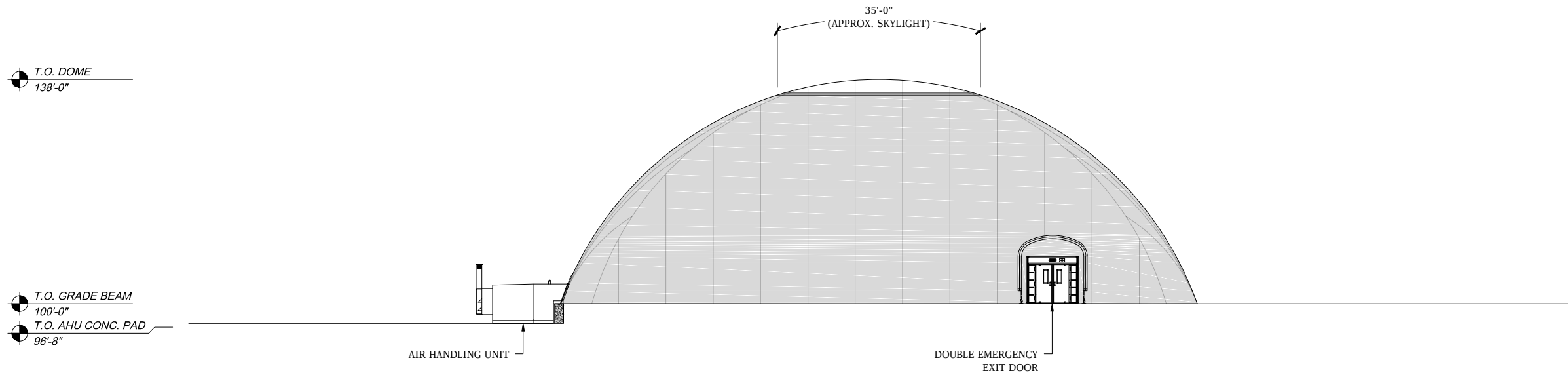
SCALE: ANSI-B SIZE: 3/64"=1'-0"
ANSI-D SIZE: 3/32"=1'-0"



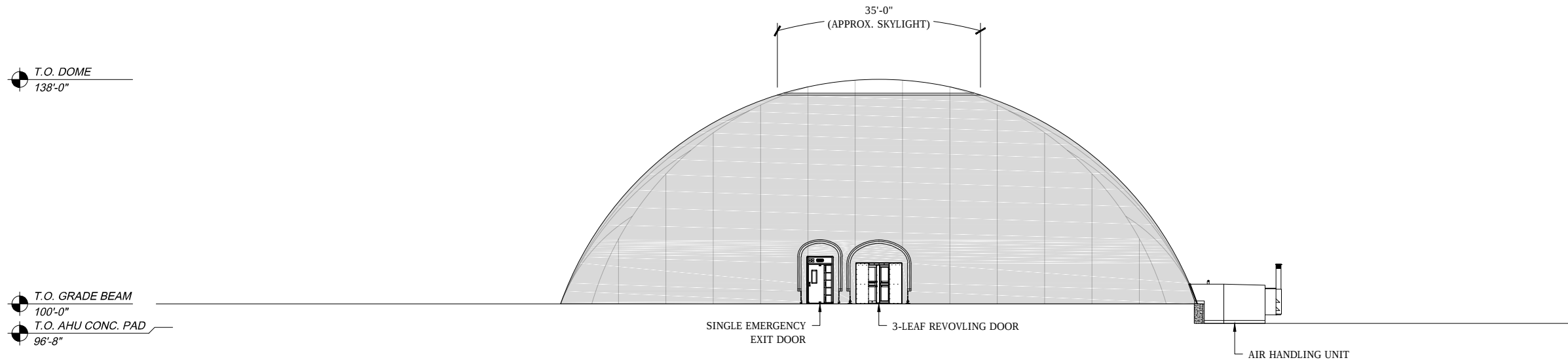
DRAWING TITLE:
DOME 2 EXTERIOR
ELEVATIONS

PROJECT:
A10270

DRAWING NO:
AA2.01-2



2 NORTH ELEVATION
SCALE: 3/32" = 1'-0"



1 SOUTH ELEVATION
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION

MANUFACTURER (SELLER):
Arizon Structures Worldwide, LLC
11880 Dorsett Rd.
St. Louis, MO, USA 63043
(314)-739-0037

CUSTOMER (BUYER):
Eric Fromm
Orange Lawn Tennis
305 North Ridgewood Road
South Orange, NJ 07079
(914) 772-8406

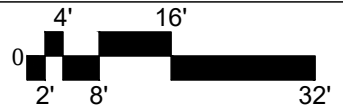
JOB SITE ADDRESS:
305 North Ridgewood Road
South Orange, NJ 07079

ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.
COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

ISSUES AND REVISIONS	
DRAWN BY: HAY/STEVENS	DATE: 03/16/2018
APPROVED:	DATE:

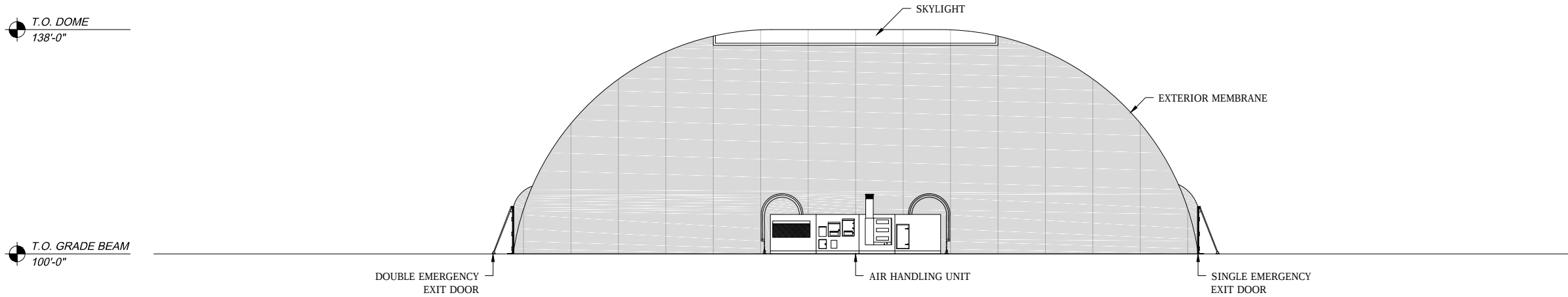
SCALE: ANSI-B SIZE: 3/64"=1'-0"
ANSI-D SIZE: 3/32"=1'-0"



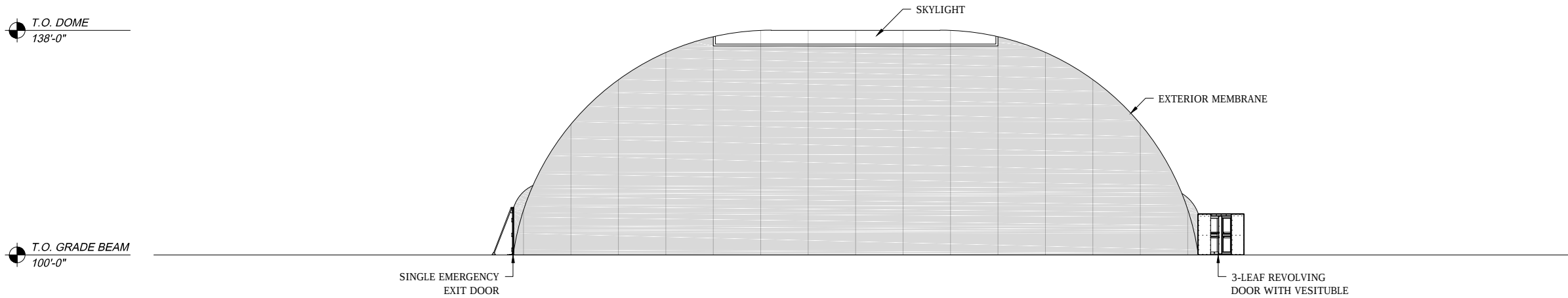
DRAWING TITLE:
DOME 1 EXTERIOR
ELEVATIONS

PROJECT:
A10270

DRAWING NO:
AA2.02-1



2 WEST ELEVATION
SCALE: 3/32" = 1'-0"



1 EAST ELEVATION
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION

MANUFACTURER (SELLER):
Arizon Structures Worldwide, LLC
11880 Dorsett Rd.
St. Louis, MO, USA 63043
(314)-739-0037

CUSTOMER (BUYER):
Eric Fromm
Orange Lawn Tennis
305 North Ridgewood Road
South Orange, NJ 07079
(914) 772-8406

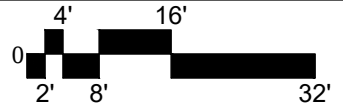
JOB SITE ADDRESS:
305 North Ridgewood Road
South Orange, NJ 07079

ENGINEER:
Dr. Ildefonso Gonzalez
DOTec Egnieering
424 Jefferson St.
St. Charles, MO 63301
636-724-9872

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON STRUCTURES DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND.
COPYRIGHT ARIZON COMPANIES 2018. ALL RIGHTS RESERVED

ISSUES AND REVISIONS	
DRAWN BY: HAY/STEVENS	DATE: 03/16/2018
APPROVED:	DATE:

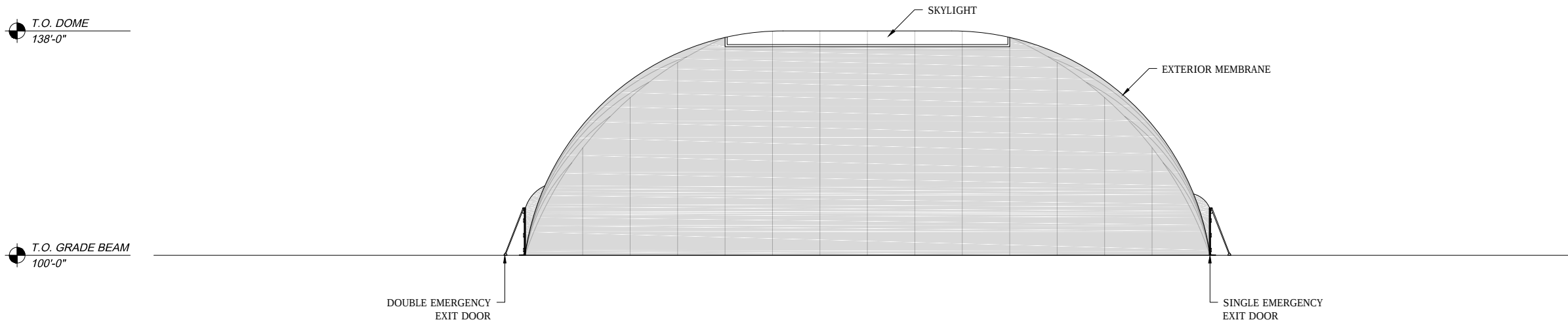
SCALE: ANSI-B SIZE: 3/64"=1'-0"
ANSI-D SIZE: 3/32"=1'-0"



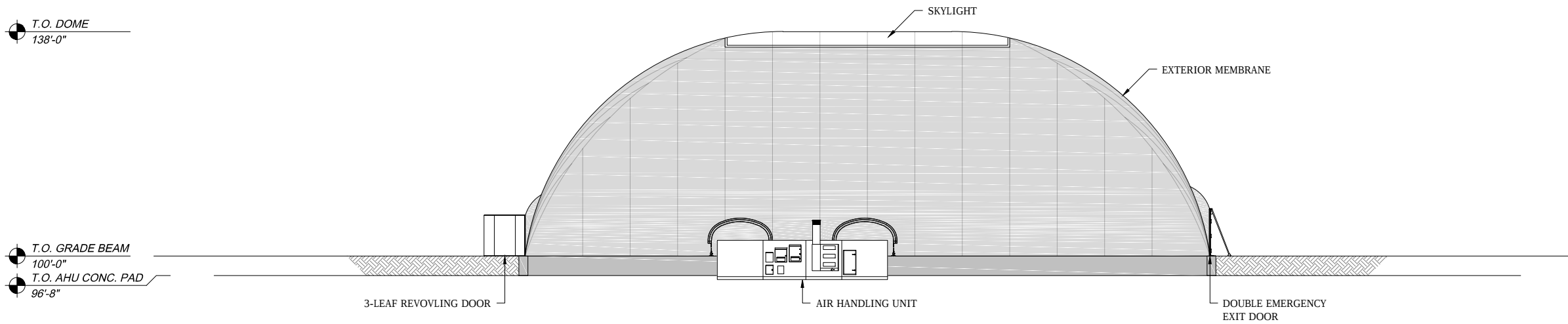
DRAWING TITLE:
DOME 2 EXTERIOR
ELEVATIONS

PROJECT:
A10270

DRAWING NO:
AA2.02-2



2 WEST ELEVATION
SCALE: 3/32" = 1'-0"



1 EAST ELEVATION
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION