HEBREWACADEMY - MARGATE

EXPANSION AND REMODEL

1500 N SR 7 MARGATE, FLORIDA

BUILDING DATA

NAME OF PROJECT: HEBREW ACADEMY OF MARGATE 1500 NORTH STATE ROAD 7 PROPOSED USE: EXPANSION AND REMODEL OWNER/CONTACT PERSON: SHLOMO DENBURG

CODE ENFORCEMENT:

Florida Building Code (FBC) 7th Edition Florida Mechanical Code 7th Edition (FMC) Florida Plumbing Code 7th Edition (FPC) Florida Accessibilty Code 7th Edition (FAC) Florida Fire Prevention Code 7th Edition (FFPC) Florida Energy Conservation Code 7th Edition (FECC) Florida Fuel Gad Code 7th Edition (FFGC) NFPA 1, 2015 Edition, "Fire Code" NFPA 101, 2015 edition, "Life Safety Code" NFPA 72, 2013 Edition, "National Fire Alarm Code" 2015 "National Electric Code" (NFPA-70) Fair Housing Act Accessibility Guidelines (FHAAG) Uniform Federal Accessibility Standards (UFAS) Automatic Sprinkler System (NFPA 13-10) National Fire Alarm & Signaling Code (NFPA-72)

EXISTING USE: SCHOOL

NEW ADDITION: NEW CLASSROOMS AND LUNCHROM

EXISTING CONSTRUCTION TYPE: N.F.P.A. 101 2015 TABLE 13.1.6 TYPE II (000)

F.B.C. TYPE II B

EXISTING BUILDING WORK CLASIFICATION: ADDITION: SECTION 507 & ALTERATION: LEVEL 2 SECTION 304 OF EXIST. BUILDING F.B.C. 7th EDITION

OCCUPANCY CLASSIFICATION AND LOAD: A-3

EXISTING BUILDING FOOTPRINT AREA: EXISTING FIRST FLOOR 19,437 S.F. NEW EXPANSION 2,659 S.F. NEW FOOTPRINT = 22,096 S.F.

SCOPE OF WORK:

THIS IS AN ADDITION OF CLASSROOMS ON THE SECOND FLOOR OF THE BUILDING AND REMODEL OF THE EXISTING CLASSROOMS. 1500 NORTH STATE ROAD 7 MARGATE, FLORIDA - 33063

SHEET No	ARCHITECTURAL:		
A-0	COVER SHEET		
SP-1	EXISTING SITE PLAN		
SP-2	PROPOSED MASTER SITE PLAN		
SP-3	PROPOSED MASTER SITE PLAN IN COLOR		
SP-4	PROPOSED MASTER PARKING PLAN		
A-1	EXISTING FIRST FLOOR PLAN		
A-2	EXISTING SECOND FLOOR PLAN		
A-3	EXISTING ROOF PLAN		
A-4	EXISTING ELEVATIONS		
A-5	PHASE I - PROPOSED FIRST FLOOR PLAN		
A-6	PHASE I - PROPOSED SECOND FLOOR PLAN		
A-7	PHASE I - PROPOSED ROOF PLAN		
A-8	PHASE II - PROPOSED FIRST FLOOR PLAN		
A-9	PHASE II - PROPOSED SECOND FLOOR PLAN		
A-10 PROPOSED ELEVATIONS			
	<u>CIVIL</u> :		
SW-1	STORMWATER POLUTION PREVENTION PLAN		
SW-1	STORMWATER POLUTION PREVENTION PLAN		
SW-1	STORMWATER POLUTION PREVENTION PLAN		
C-1 ENGINEERING PLAN			
	LANDSCAPE:		
LP-1	LANDSCAPE PLAN		
LP-1	LANDSCAPE PLAN - NOTES AND DETAILS		
IR-1	IRRIGATION PLAN		
IR-2	IRRIGATION PLAN - NOTES AND DETAILS		
TS-1 TREE INVENTORY PLAN			

GOLDENHOLZ & ASSOCIATES ARCHITECTS & PLANNERS P.A.

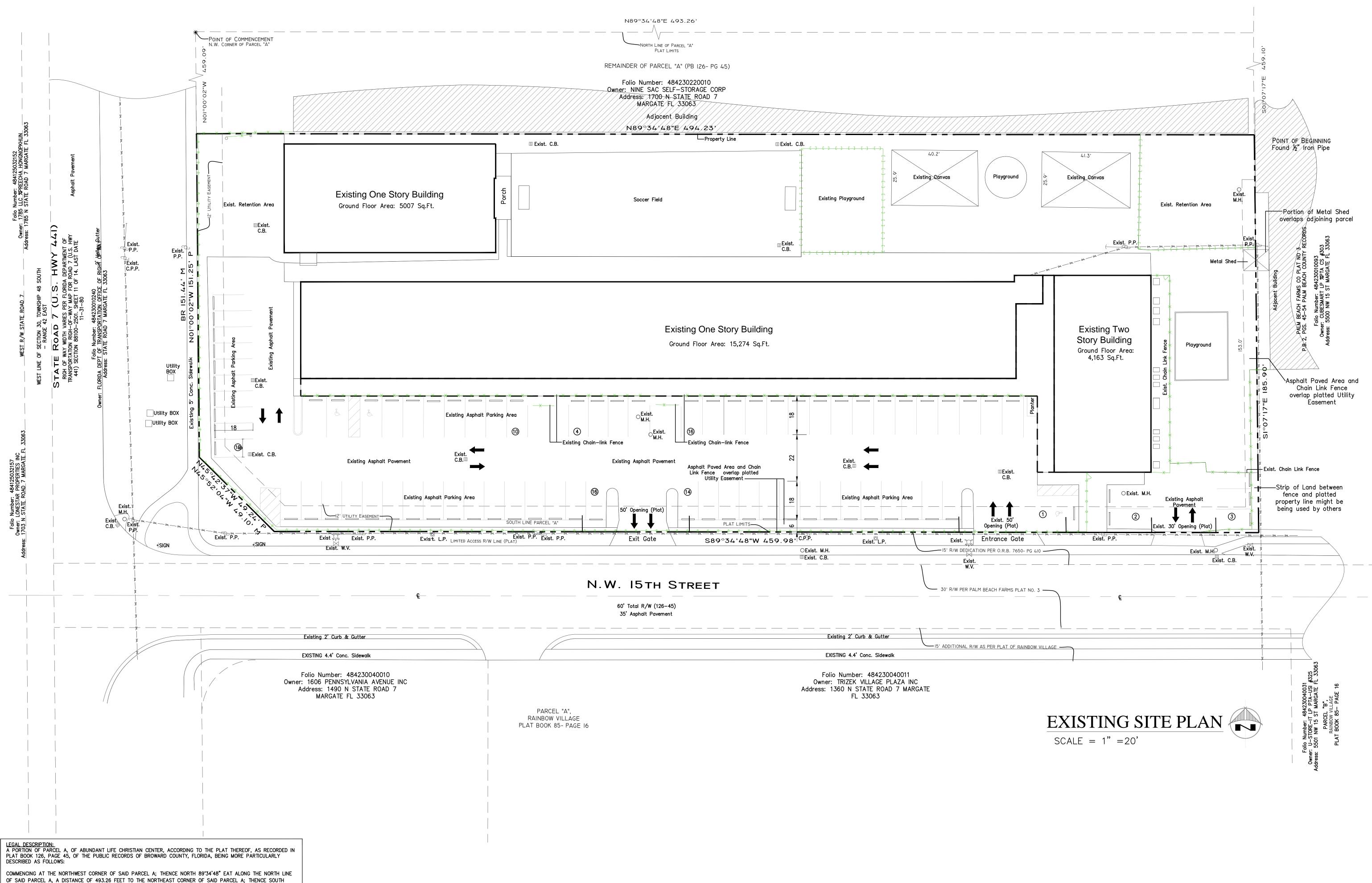
3122 NORTH PINE ISLAND ROAD, SUNRISE, FLORIDA 33351 TEL. (954) 742-0797 FAX (954) 742-3093





07-20-2021 MASTER SIT

PROJECT No. 20005



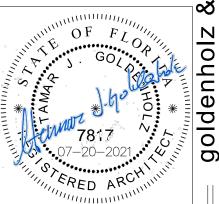
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HEBREW ACADEMY
EXPANSION AND REMODEL
1500 N.SR 7
MARGATE, FLORIDA 33065

EXISTING SITE PLAN

05-14-2020 11-12-2020 01-05-2021 01-20-2021 01-28-2021 02-01-2021 02-02-2021 02-09-2021 06-10-2021

07-20-2021 MASTER SITE
07-20-2021 PLAN SUBMITTAL



ITAMAR GOLDENHOLZ FL. LIC. AR0007817



SP-1

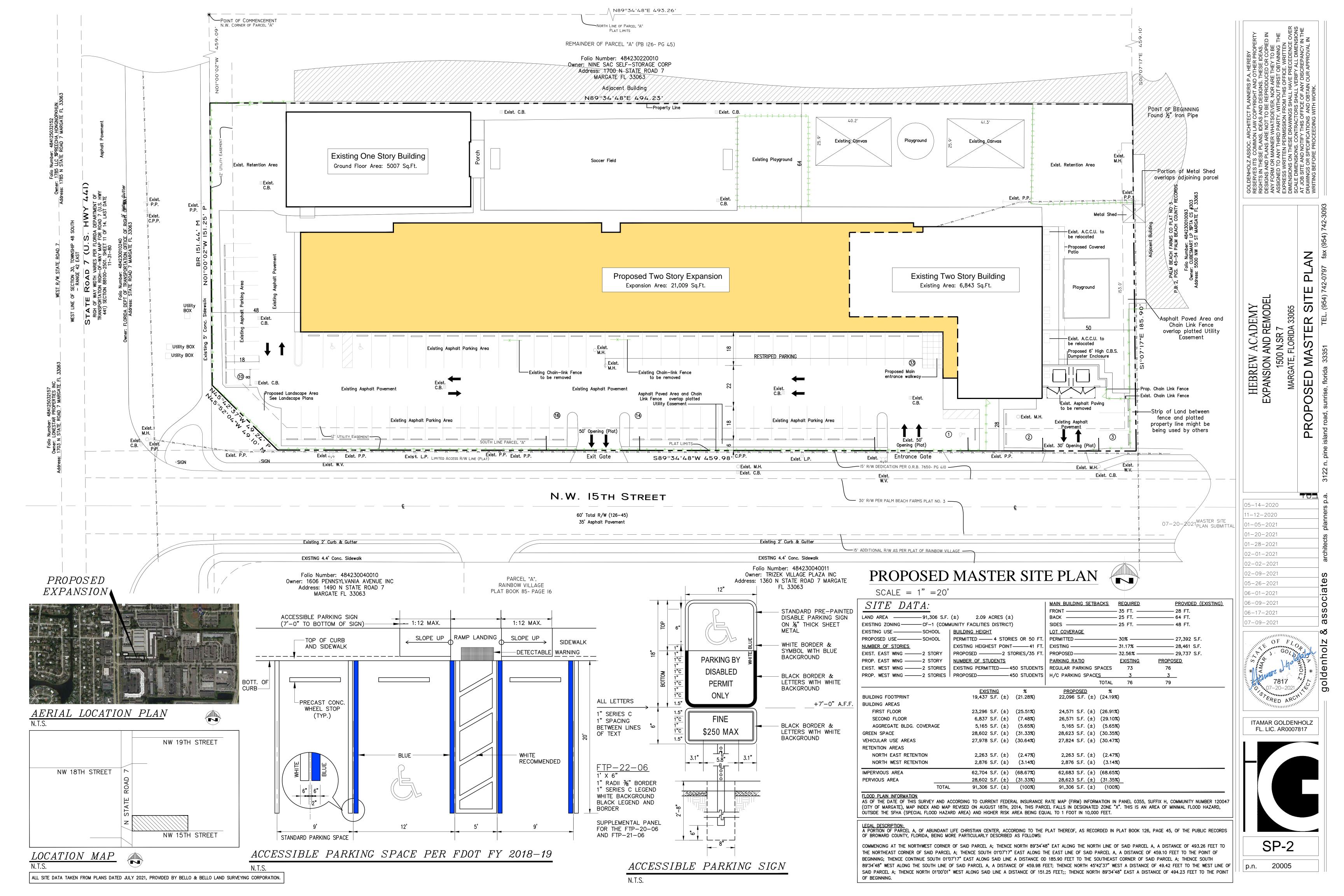
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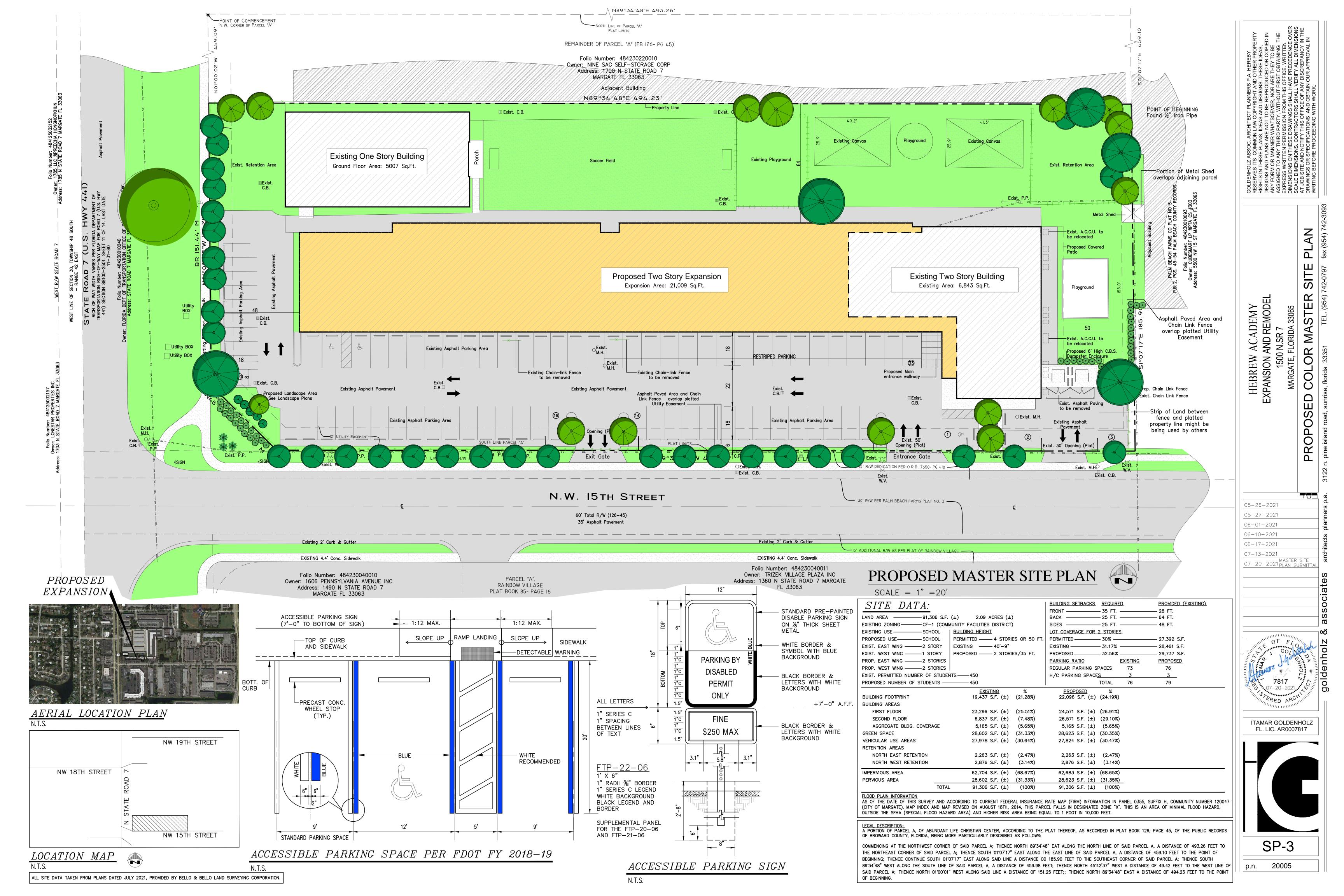
ALL SITE DATA TAKEN FROM PLANS DATED JULY 2021, PROVIDED BY BELLO & BELLO LAND SURVEYING CORPORATION.

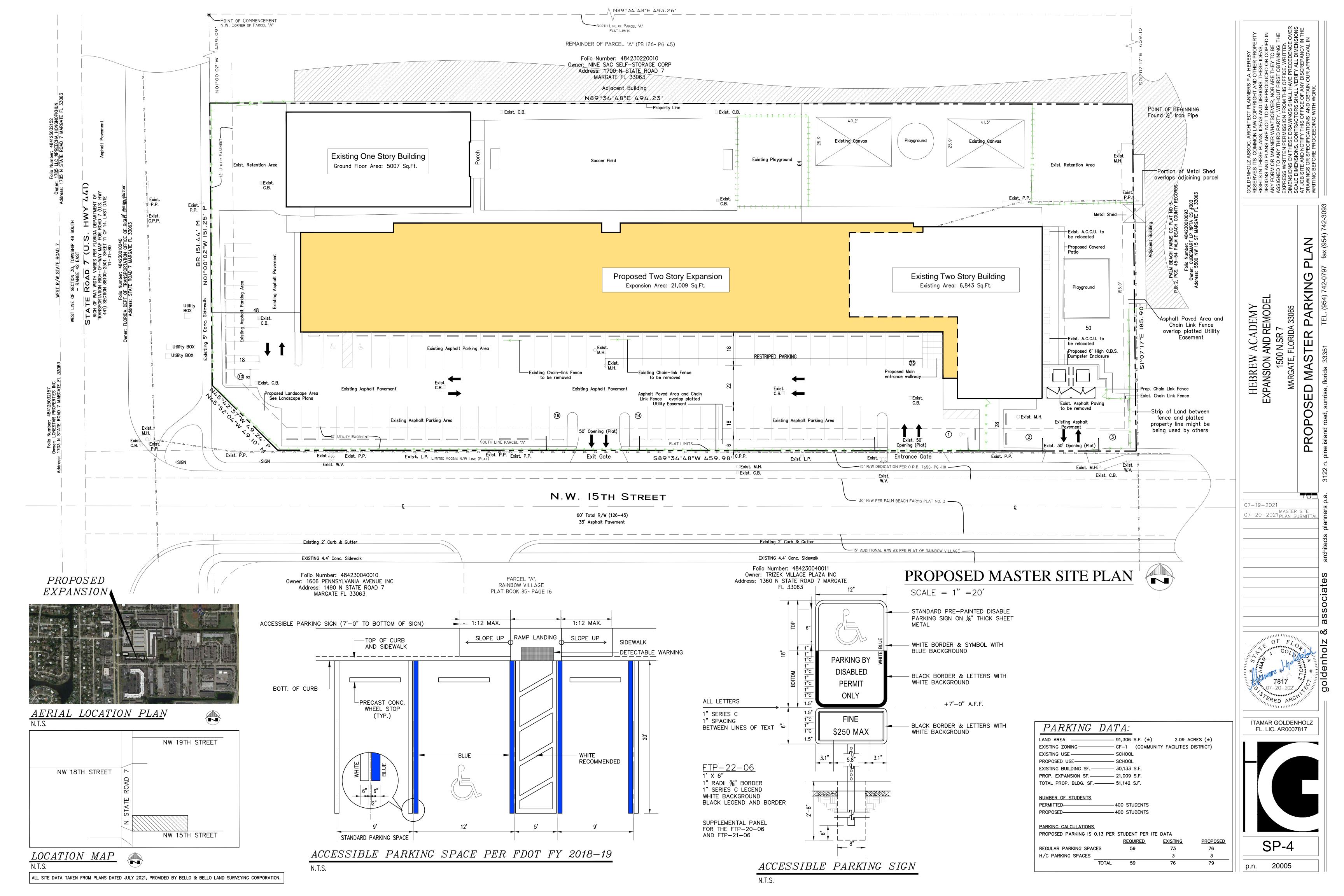
THENCE NORTH 01°00'01" WEST ALONG SAID LINE A DISTANCE OF 151.25 FEET;; THENCE NORTH 89°34'48" EAST A

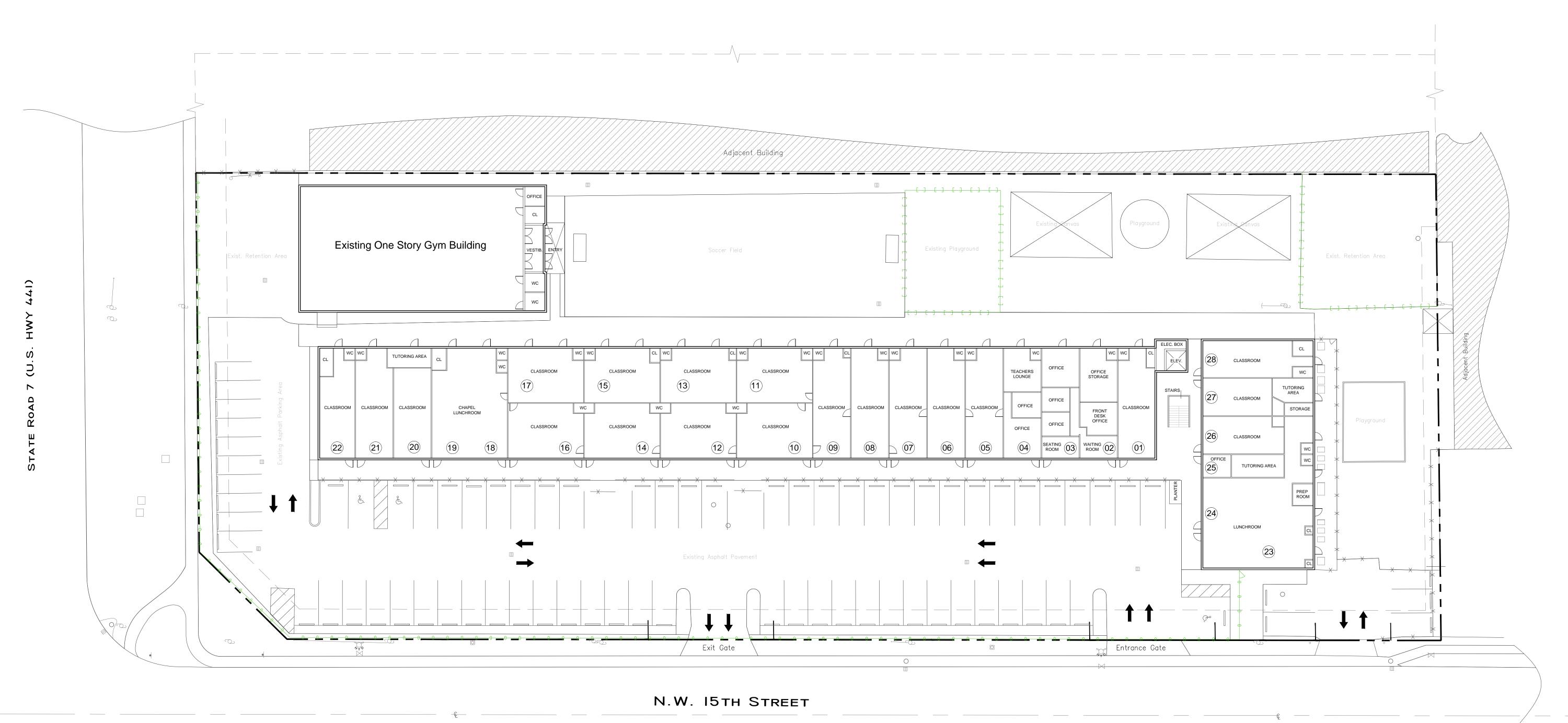
DISTANCE OF 494.23 FEET TO THE POINT OF BEGINNING.

01°07'17" EAST ALONG THE EAST LINE OF SAID PARCEL A, A DISTANCE OF 459.10 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 01°07'17" EAST ALONG SAID LINE A DISTANCE OD 185.90 FEET TO THE SOUTHEAST CORNER OF SAID PARCEL A; THENCE SOUTH 89°34'48" WEST ALONG THE SOUTH LINE OF SAID PARCEL A, A DISTANCE OF 459.98 FEET; THENCE NORTH 45°42'37" WEST A DISTANCE OF 49.42 FEET TO THE WEST LINE OF SAID PARCEL A;









05-14-2020 06-16-2021 07-08-2021 07-20-2021 MASTER SITE PLAN SUBMITTAL

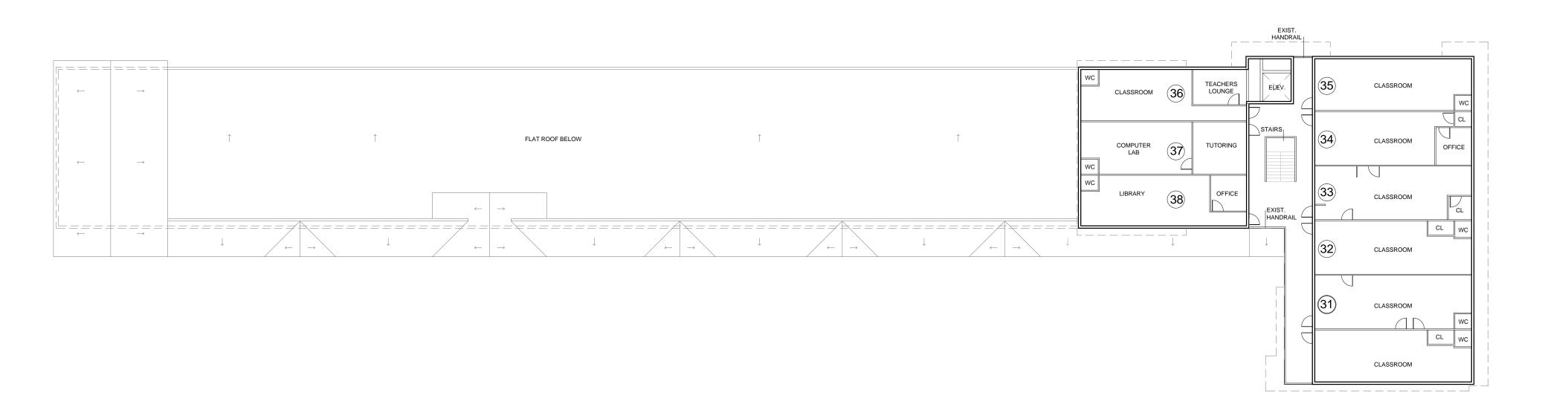
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20005

EXISTING FIRST FLOOR PLAN

SCALE = 1" =20'





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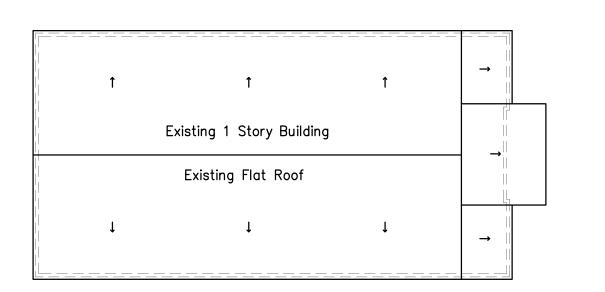
1500 N.SR 7
MARGATE, FLORIDA 33065
KISTING SECOND FLOOR

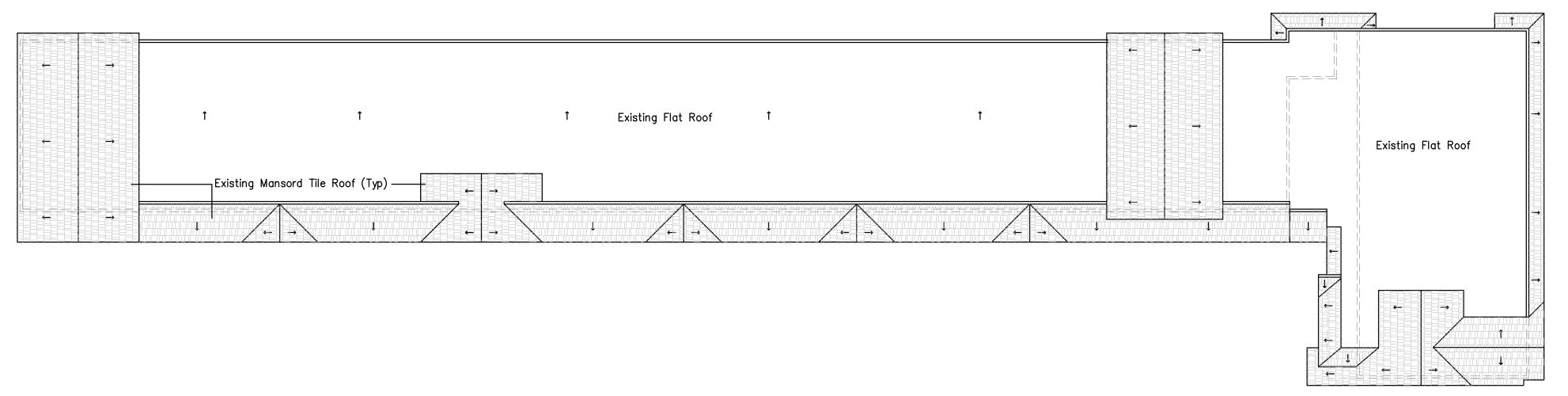
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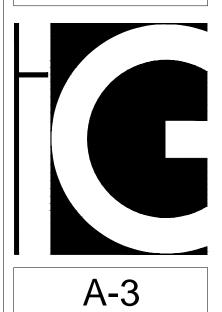
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MARGATE, FLORIDA
EXISTING ROOF

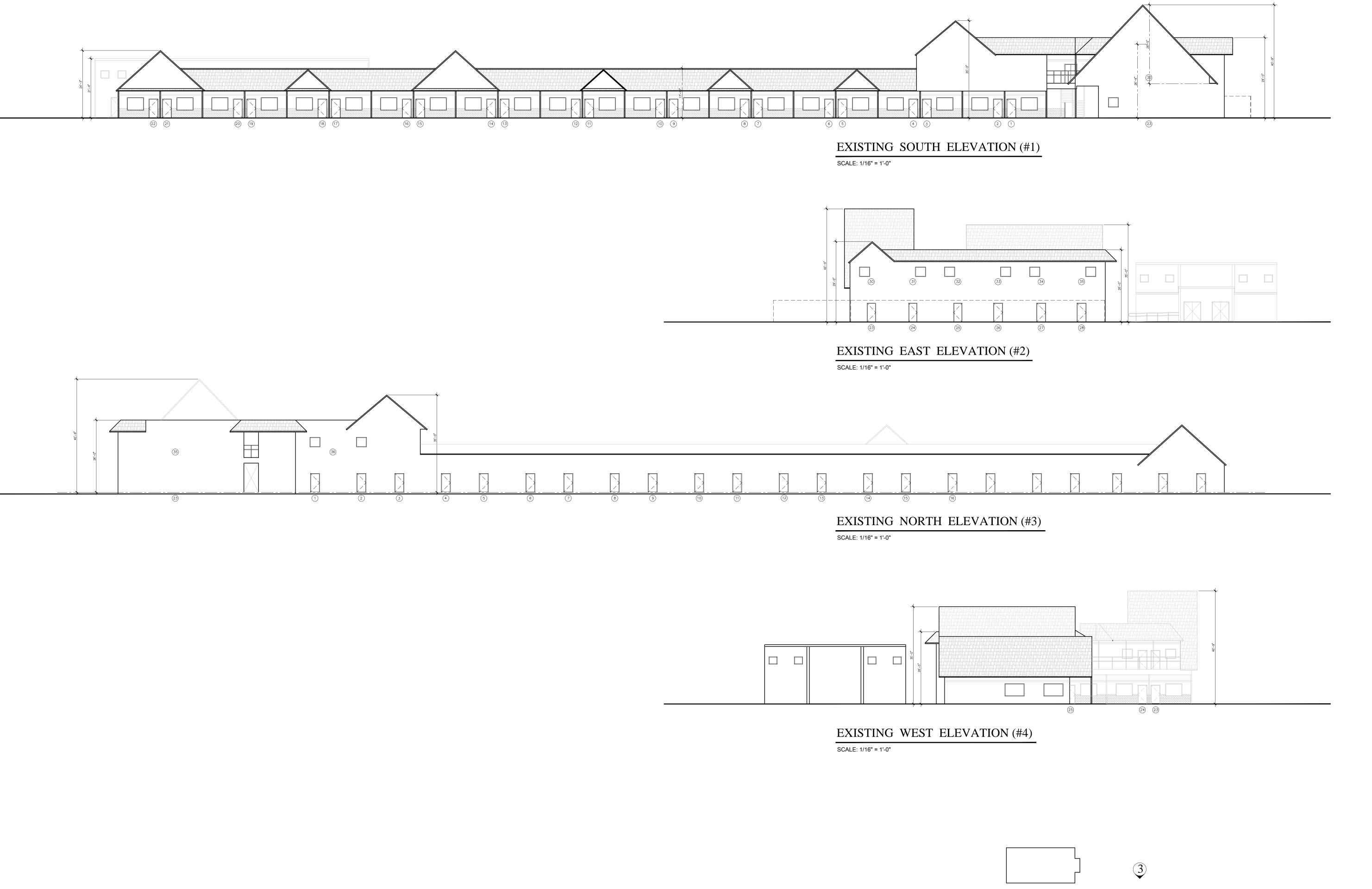
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07-12-2021 07-20-2021 MASTER SITE 07-20-2021 PLAN SUBMITTAL

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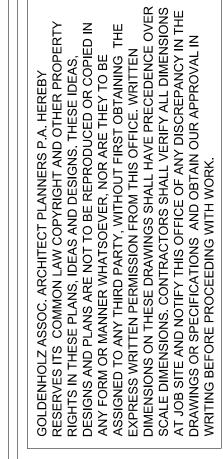


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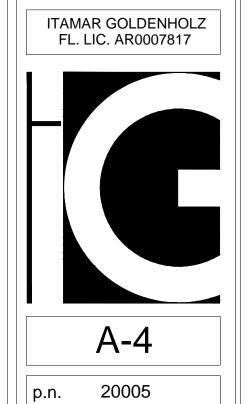
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HEBREW ACADEMY
EXPANSION AND REMODEL
1500 N.SR 7
MARGATE, FLORIDA 33065
EXISTING ELEVATIONS
d, sunrise, florida 33351
TEL. (954) 742

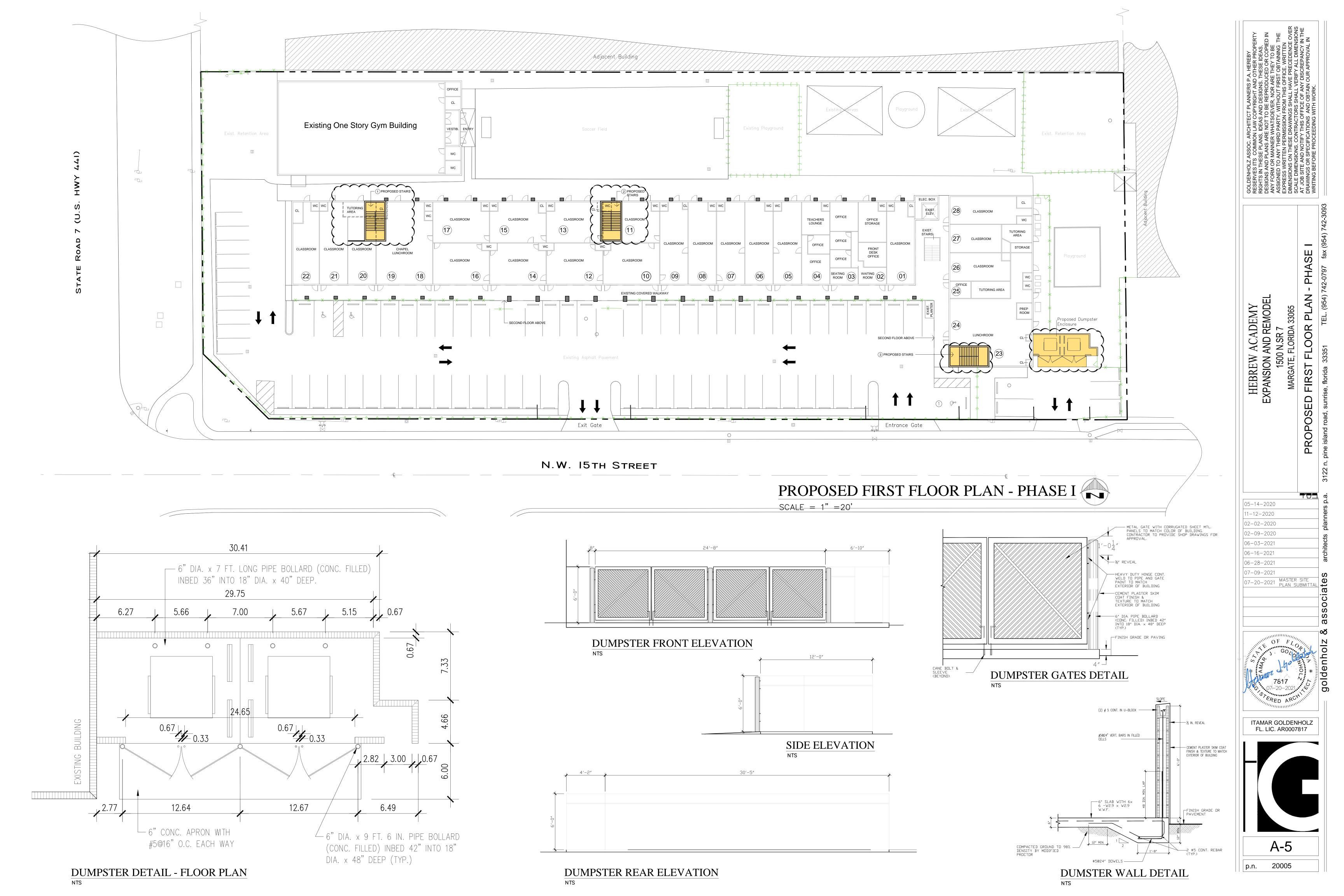
05-14-2020 06-11-2021 07-20-2021 MASTER SITE PLAN SUBMITTAL

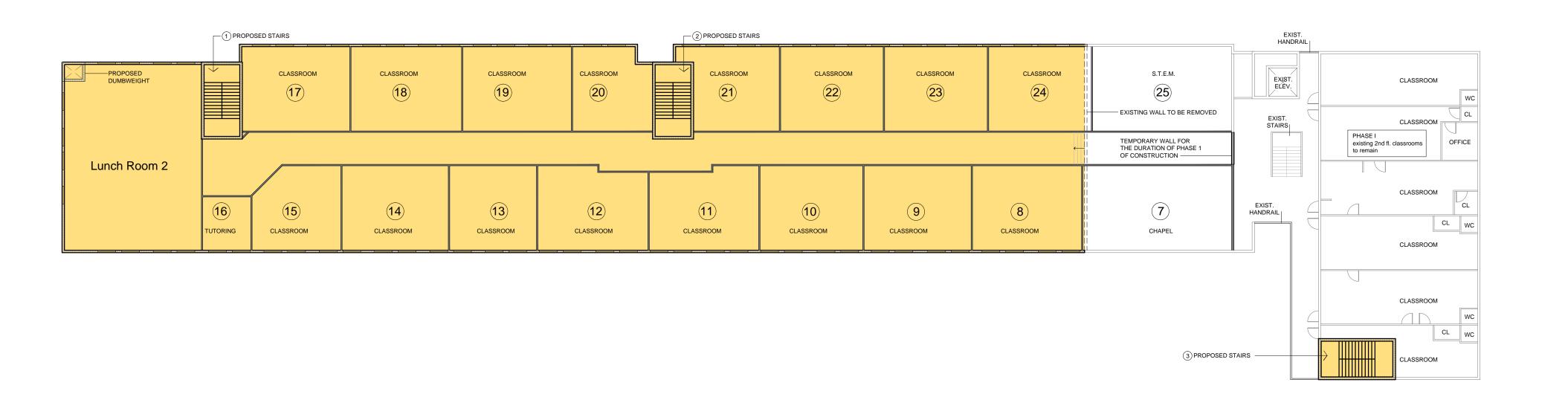




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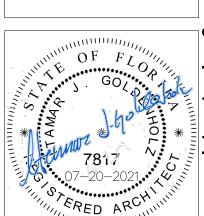
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EXPANSION AND REMODEL
1500 N.SR 7
MARGATE, FLORIDA 33065
PROPOSED SECOND FLOOR PLAN - PHA

05-14-2020 11-12-2020 12-31-2020 02-02-2021 02-09-2021 DRC SUBMITTAL

06-11-2021 06-17-2021 06-28-2021

07-09-2021 07-09-2021 07-20-2021 MASTER SITE 07-20-2021 PLAN SUBMITTAL

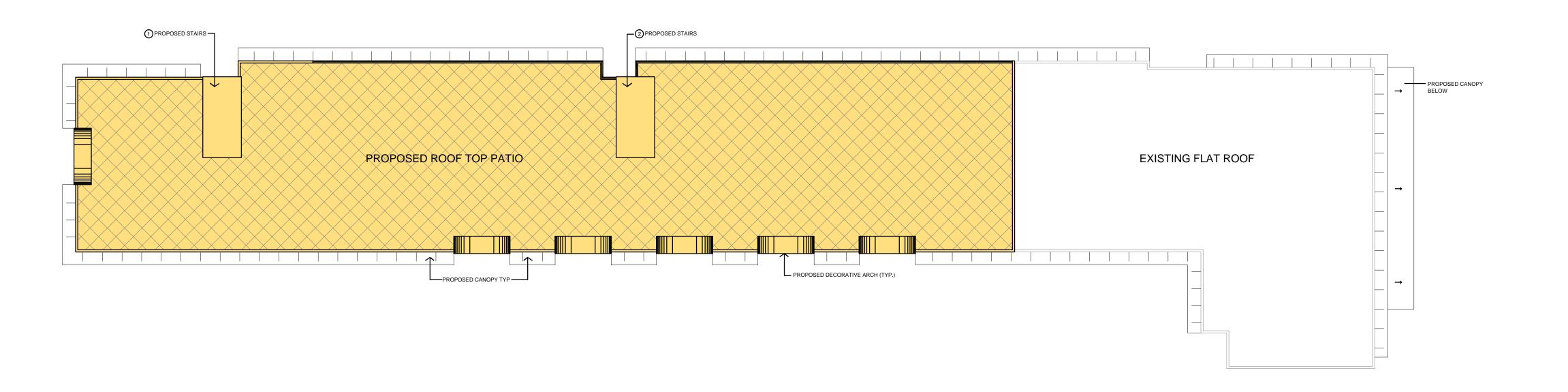


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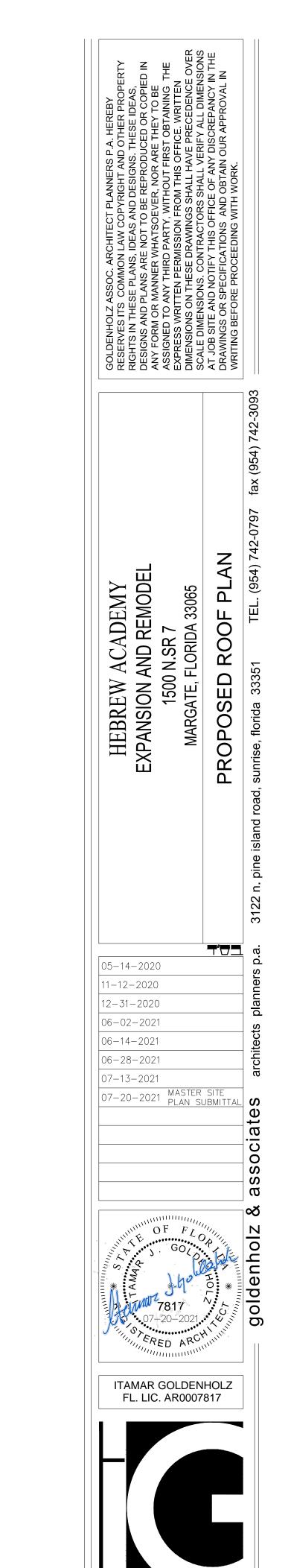


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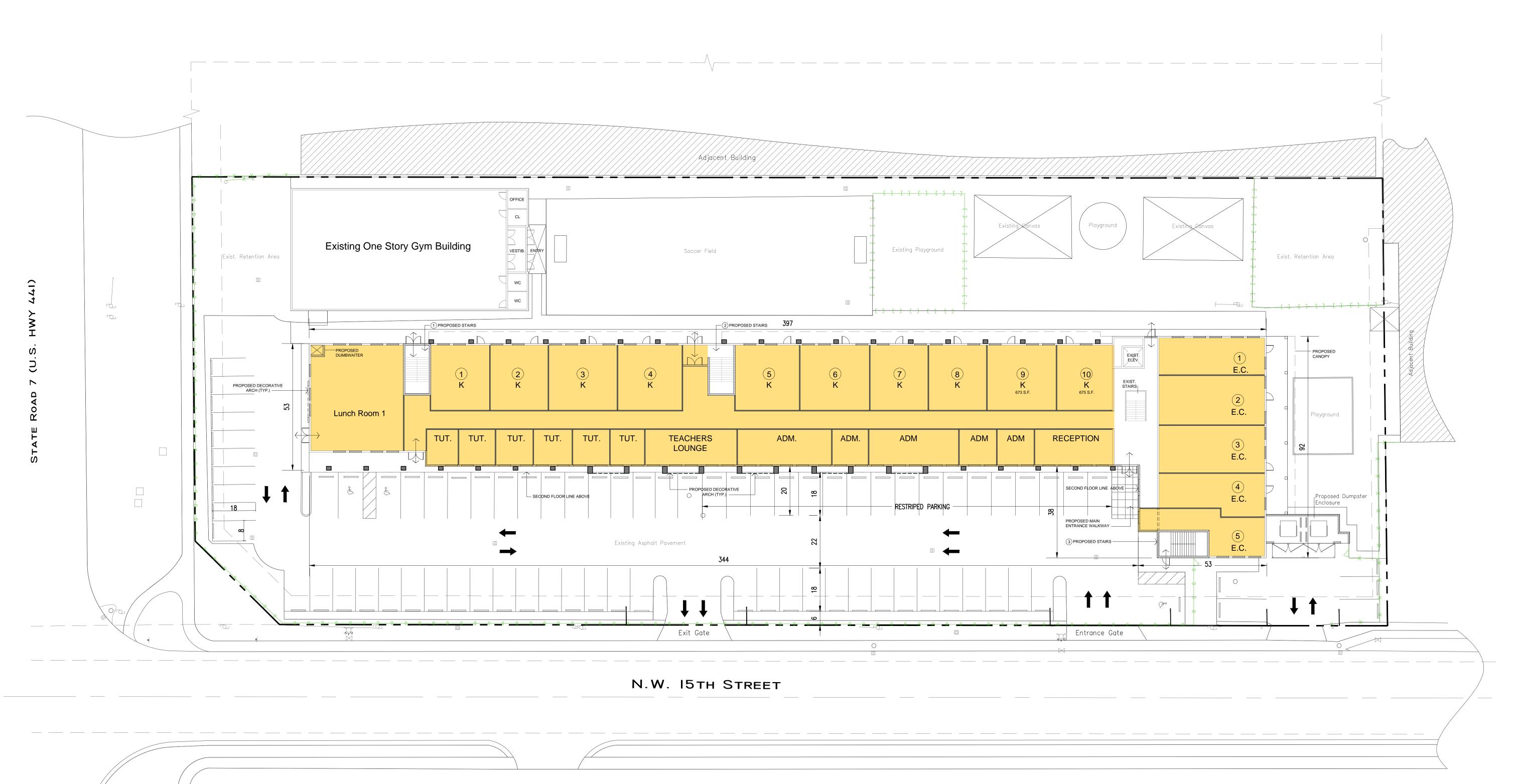
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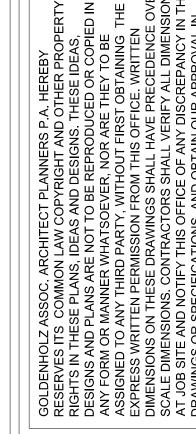




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- PHASE II

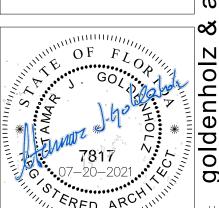
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EXPANSION AND REMODEL 1500 N.SR 7 MARGATE, FLORIDA 33065

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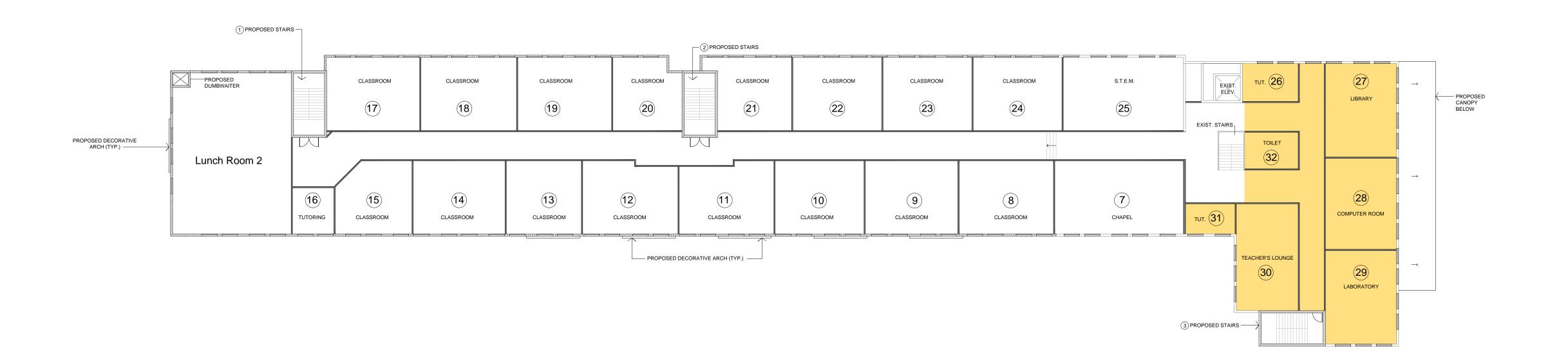
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07-13-2021 07-20-2021 MASTER SITE PLAN SUBMITTAL



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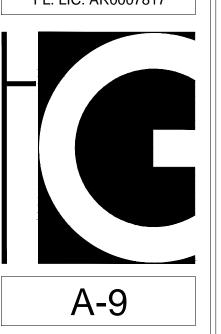


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05-14-2020 11-12-2020 12-31-2020 06-02-2021 06-14-2021 06-17-2021

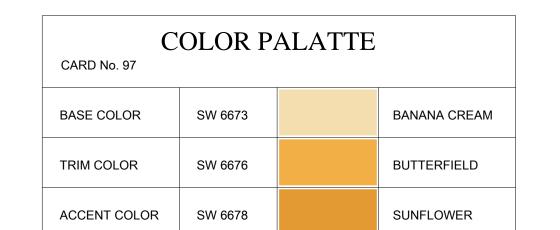
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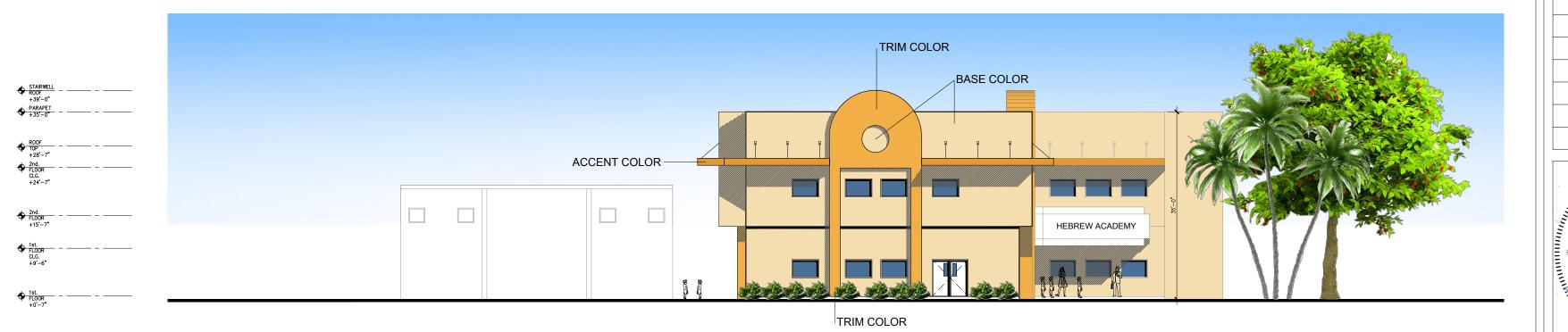


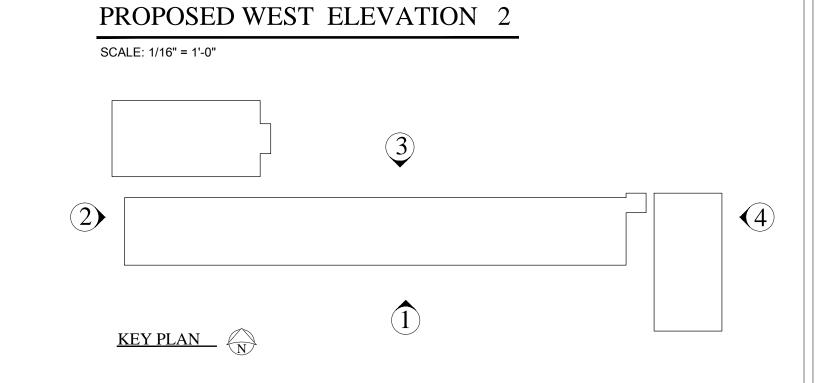
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PROPOSED NORTH ELEVATION 3

SCALE: 1/16" = 1'-0"

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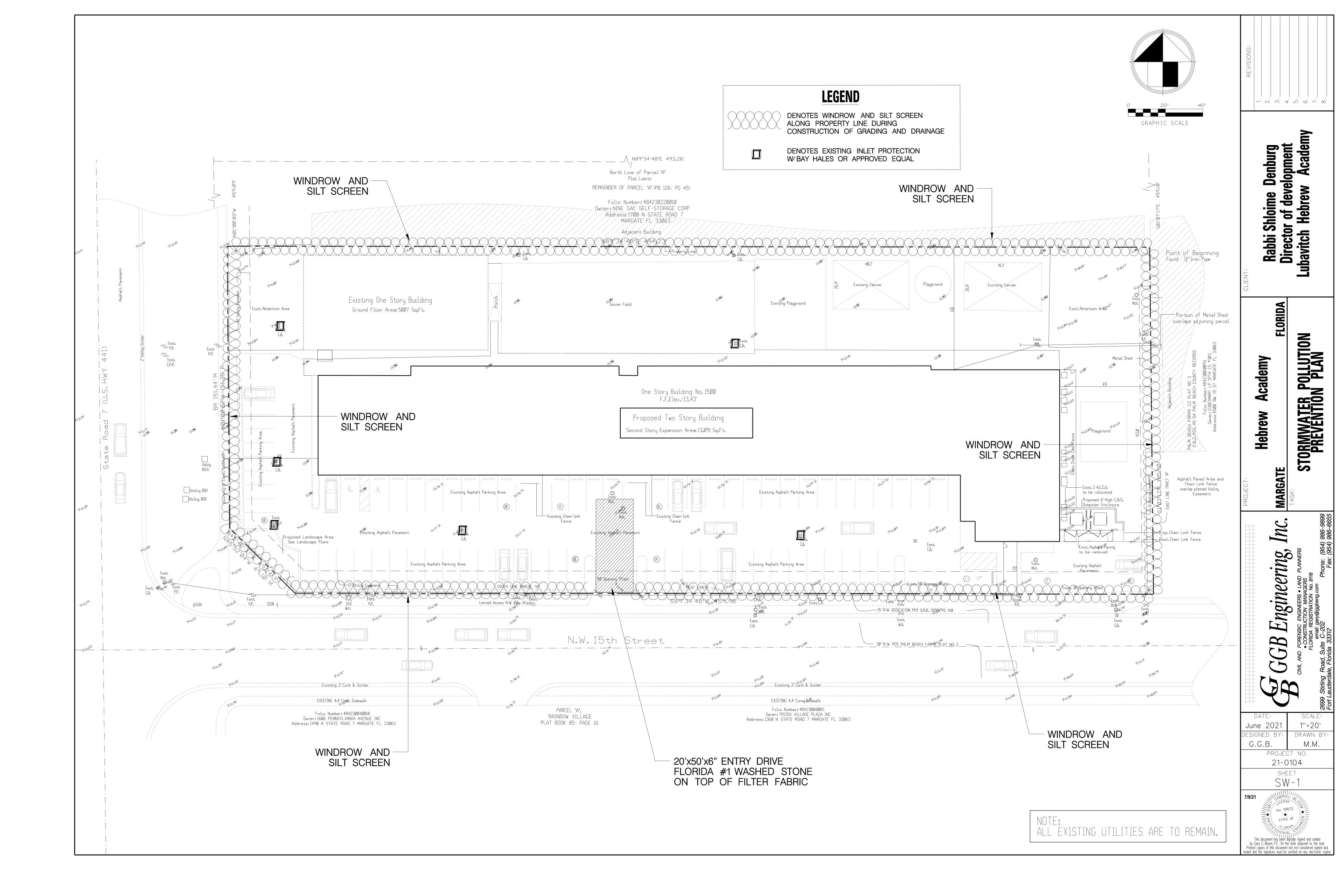
HEBREW ACADEMY
EXPANSION AND REMODEL
1500 N.SR 7
MARGATE, FLORIDA 33065

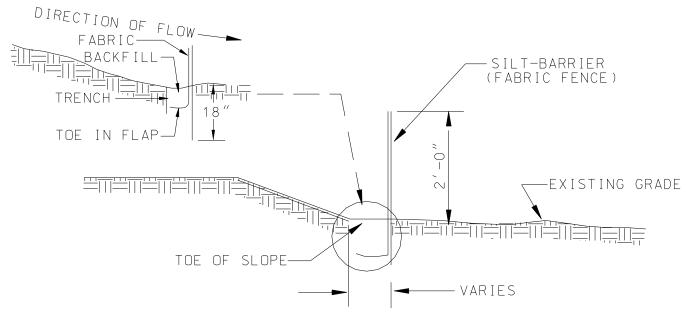
Chitects planners p.a. 3122 n. pine island road, sunrise, florida 33351

TEL. (954)

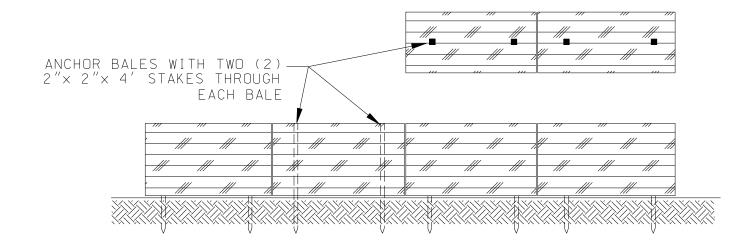
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FABRIC FENCE SILT-BARRIER

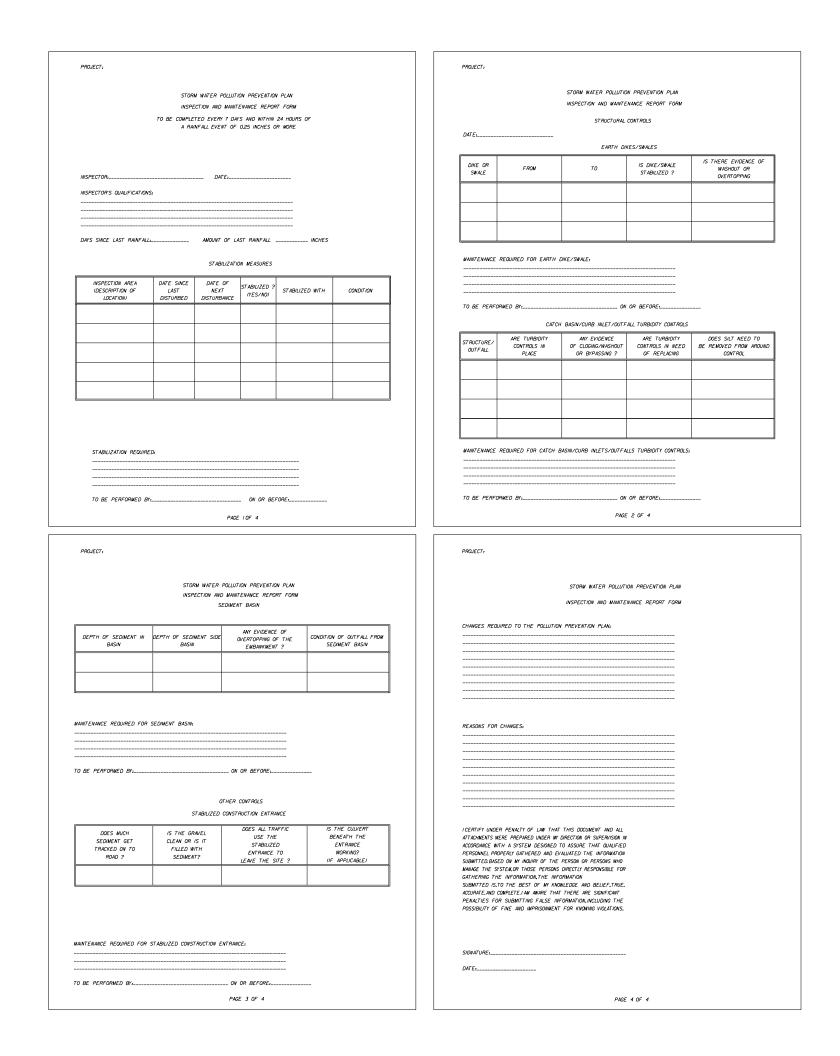


BALED HAY SILT-BARRIER PERIMETER EROSION AND SEDIMENT CONTROL

NOTES:

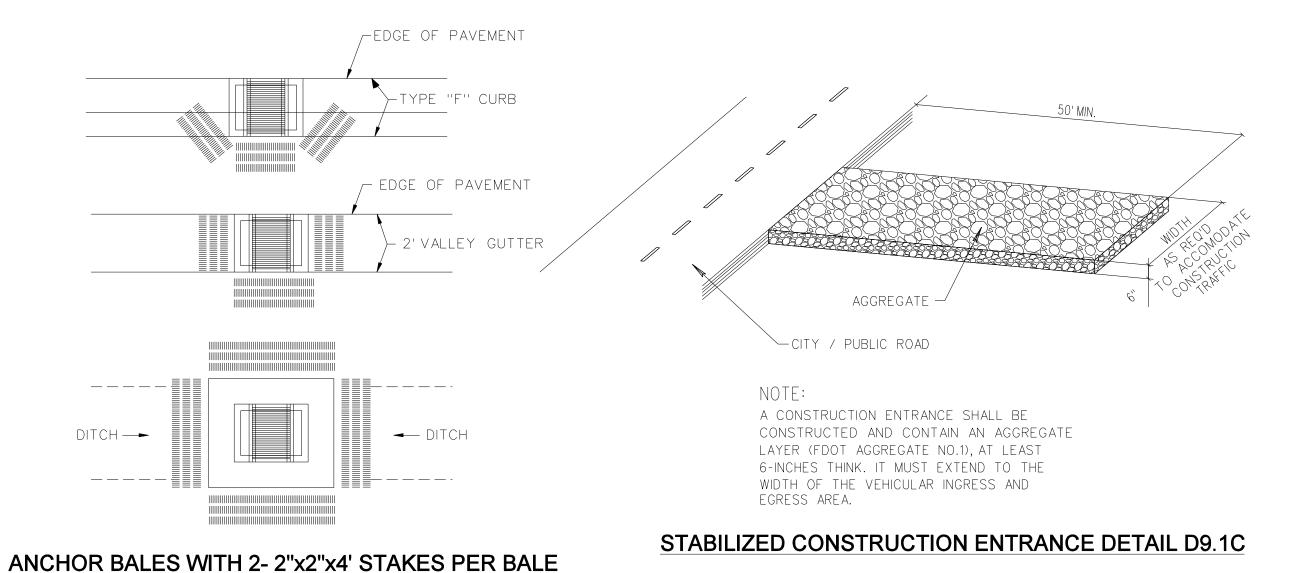
- 1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE. THE BARRIER MUST REMAIN IN PLACE UNTIL UPLAND VEGETATION IS ESTABLISHED.
- 2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

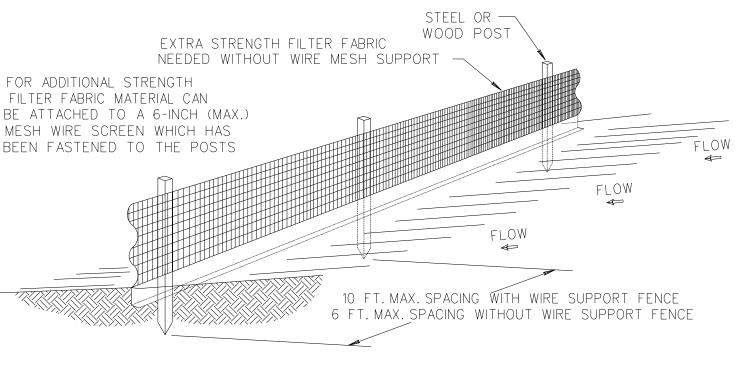
SILT BARRIER DETAIL



NOTE TO CONTRACTOR:

THIS IS THE CONTRACTORS CERTIFICATION REQUIRED BY THE EPA'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER POLLUTION PREVENTION PLAN FOR CONSTRUCTION SITES OVER LACRES. THIS CERTIFICATION MUST BE COMPLETED WEEKLY AND AFTER EVERY RAINFALL EVENT OVER 0.25 INCHES.IT SUGGESTED THAT THIS SHEET BE REMOVED FROM THE PLAN SET AND DUPLICATED AS NEEDED BY THE CONTRACTOR.



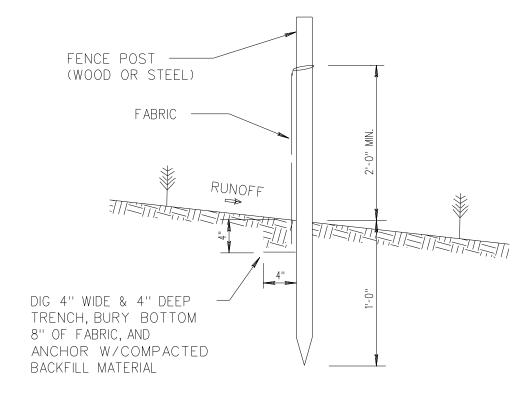


PER FDOT INDEX No.102

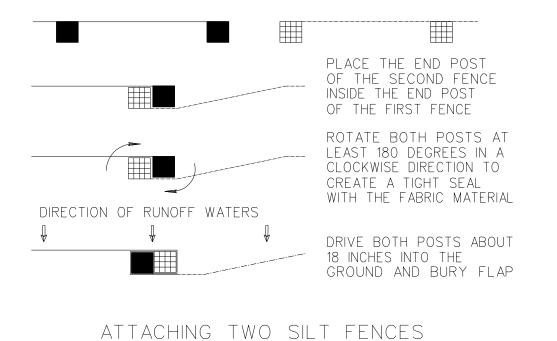
NOTES:

- 1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
- 2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
- 3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
- 4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- 5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
- 6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGIONAL GROUND SURFACE.
- 7. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- 8. ALL PROJECTS REQUIRE SUBMITTAL OF POLLUTION PREVENTION PLAN (PPP).
- 9. ALL PROJECTS 1 AC. OR MORE MUST SUBMIT NOTICE OF INTENT (NOI) TO FDEP.

SILT FENCE INSTALLATION DETAIL D 9.1a Sheet 1 of 2

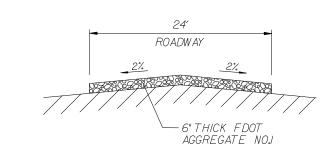


SILT FENCE SECTION NOT TO SCALE

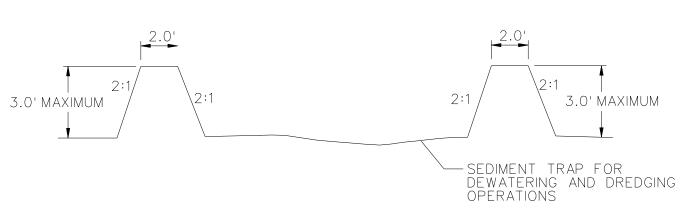


SILT FENCE INSTALLATION DETAIL D 9.1b Sheet 2 of 2

NOT TO SCALE



SECTION A - A **TEMPORARY CONSTRUCTION ENTRANCES**



LOCATION OF TEMPORARY SEDIMENT TRAPS TO BE DETERMINED BY CONTRACTOR

EROSION AND SEDIMENTATION CONTROL NOTES

- 1. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURGACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
- 3. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRIAN SYSTEM, DITCH OR CHANNEL. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE
- 4. BEFORE TEMPORARY OR NEWLY CONSTRUCTED STROMWATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING
- 5. PERIODIC INSPECITON AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- 6. WHERE CONSTRUCITON VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE, WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FORM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND-DISTRIBUTING ACTIVITIES.
- 7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORATY MEASURES ARE NO LONGER NEEDED, IN THE OPINION OF THE REVIEWER. DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- 8. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DISPOSITION AND EROSION.
- 9. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN INDEC NOS. 101, 102 AND 103 OF FDOT ROWDWAY AND TRAFFIC DESIGN STANDARDS.
- 10. THE ENGINEER MAY APPROVE MODIFICATIONS OR ALTER PLANS TO THESE EROSION CONTROL CRITERIA DUE TO SITE SPECIFIC CONDITIONS.
- 11. FILTER FABRIC SHALL BE INSTALLED ON ALL DRAINAGE INLET TOPS AND SOD SHALL BE PLACED AROUND DITCH BOTTOM INLETS TO PREVENT DEBRIS AND SILTATION FROM ENTERING DRAINAGE SYSTEM DURING CONSTRUCTION.
- 12. SILT FENCES OR STRAW BALES SHALL BE UTILIZED AT INLETS AND ALONG PROPERTY LINES TO RETAIN SEDIMENT ON THE SITE. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND FOUR INCHES DEEP. EACH BALE SHALL BE ANCHORED BY AT LEAST TWO STAKES.
- 13. WATER TRUCKS SHALL BE UTILIZED TO MINIMIZE WIND EROSION.
- 14. A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AND CONTAIN AN AGGREGATE LAYER (FDOT AGGREGATE NO. 1) AT LEAST SIX INCHES THICK. IT MUST EXTEND TO THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET.
- 15. IF THE CONDITIONS ON THE SITE ARE SUCH THAT MUD IS NOT REMOVED BY THE VEHICLES TRAVELING OVER THE GRAVEL ENTRANCE ROAD, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT.
- 16. THE LIMEROCK SHALL BE INSTALLED IMMEDIATELY AFTER THE FINISHED GRADING IS COMPLETE ON THE ROAD AND PARKING LOT SUBGRADE.
- 17. LAKE BANKS SHALL BE SEED AND MULCHED OR SODDED IMMEDIATELY AFTER FINAL GRADING.
- 18. TRUCKS ENTERING AND EXITING THE SITE WITH FILL MATERIAL SHALL BE COVERED.
- 19. DISCHARGE FROM DEWATERING OPERATIONS SHALL BE RETAINED ONSITE IN A CONTAINMENT AREA.
- 20. EXPOSED SOIL SHALL BE PLANTED WITH VEGETATIVE MATERIAL OR COVERED WITH PROTECTIVE GROUND COVER AS SOON AS PRACTICAL UPON COMPLETION OF CONSTRUCTION ACTIVITIES.

of development Hehrew Academy Denburg Hebrew Shloime Director Lubavitch Rabbi

FLORIDA

TORMWATER POLLUTION PREVENTION PLAN

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N.T.S. June 2021 DRAWN BY SIGNED BY

PROJECT NO. 21-0104 SHEET SW-2 S/ No. 19832



STORM WATER POLLUTION PREVENTION PLAN

OTHER CONTROLS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE

COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER.THE

DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT

REGULATIONS.THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE

TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL, ALL

PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT

PROCEDURE FOR WASTE DISPOSAL.NOTICES STATING THESE

CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES

THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE

MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE

MANUFACTURER.SITE PERSONNEL WILL BE INSTRUCTED IN THESE

PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS

NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP

REDUCE VEHICLE TRACKING OF SEDIMENTS.THE PAVED STREET ADJACENT

TO THE SITE ENTRANCE WILL BE SWEPT AS NEEDED TO REMOVE ANY EXCESS

MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING

MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A

INVENTORY FOR POLLUTION PREVENTION PLAN

X Wood

X Masonry Blocks

X Metal Studs

X Roofing Materials

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE

X Petroleum Based Products

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE

USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO

* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT,ORDERLY

MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A

* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL

* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED

* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING

* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL

* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE

SPILL PREVENTION

X Fertilizers

X Paints

MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

X Cleaning Solvents

AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL

REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR

SEEING THAT THESE PROCEDURES ARE FOLLOWED.

SEEING THAT THESE PRACTICES ARE FOLLOWED.

PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE

WASTE DISPOSAL (IF APPLICABLE):

WASTE MATERIALS

HAZARDOUS WASTE

OFFSITE VEHICLE TRACKING

PRESENT ONSITE DURING CONSTRUCTION:

MATERIAL MANAGEMENT PRACTICES

DURING THE CONSTRUCTION PROJECT.

ROOF OR OTHER ENCLOSURE.

BY THE MANUFACTURER.

OF THE CONTAINER.

BE FOLLOWED,

ORIGINAL MANUFACTURER'S LABEL.

RECEIVE PROPER USE AND DISPOSAL.

GOOD HOUSEKEEPING

DO THE JOB.

TARPAULIN.

X Concrete

X Asphalt

X Detergents

X Tar

3. BRUSH BARRIER WITH FILTER FABRIC; BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.

4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS.THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED.THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.

- 5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION
- 6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE MINIMIZED.
- 7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- 8. DUST CONTROL: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL TREATMENT WITHIN 30 DAYS SHALL BE STABILIZED.
- 9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
- 10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
- II. TEMPORARY REGRASSING :IF,AFTER 14 DAYS FROM SEEDING,THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
- 12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
- 13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
- 14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION.SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.
- STRUCTURAL PRACTICES (IF APPLICABLE):
- . TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
- 2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION
- A. BLOCK & GRAVEL SEDIMENT FILTER THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERELOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
- B. GRAVEL SEDIMENT TRAP THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED
- C. DROP INLET SEDIMENT TRAP THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL.THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
- 3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY.SILT FENCES & HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
- 4. SEDIMENT BASIN: (NOT APPLICABLE)

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT

* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE.PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER.ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA.THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE.EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE.A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

NO MORE THAN 5 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES IO PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED.

THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS,OR STORM WATER MANAGEMENT PLANS.

THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE

* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING

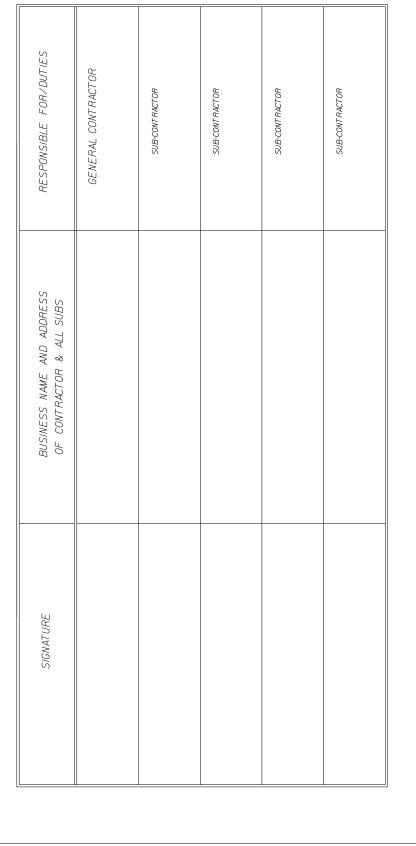
* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

ICERTIFY UNDER PENALTY OF LAW THAT LUNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.



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STORMWATER PREVENTION

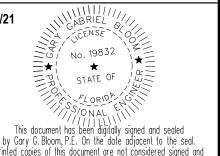
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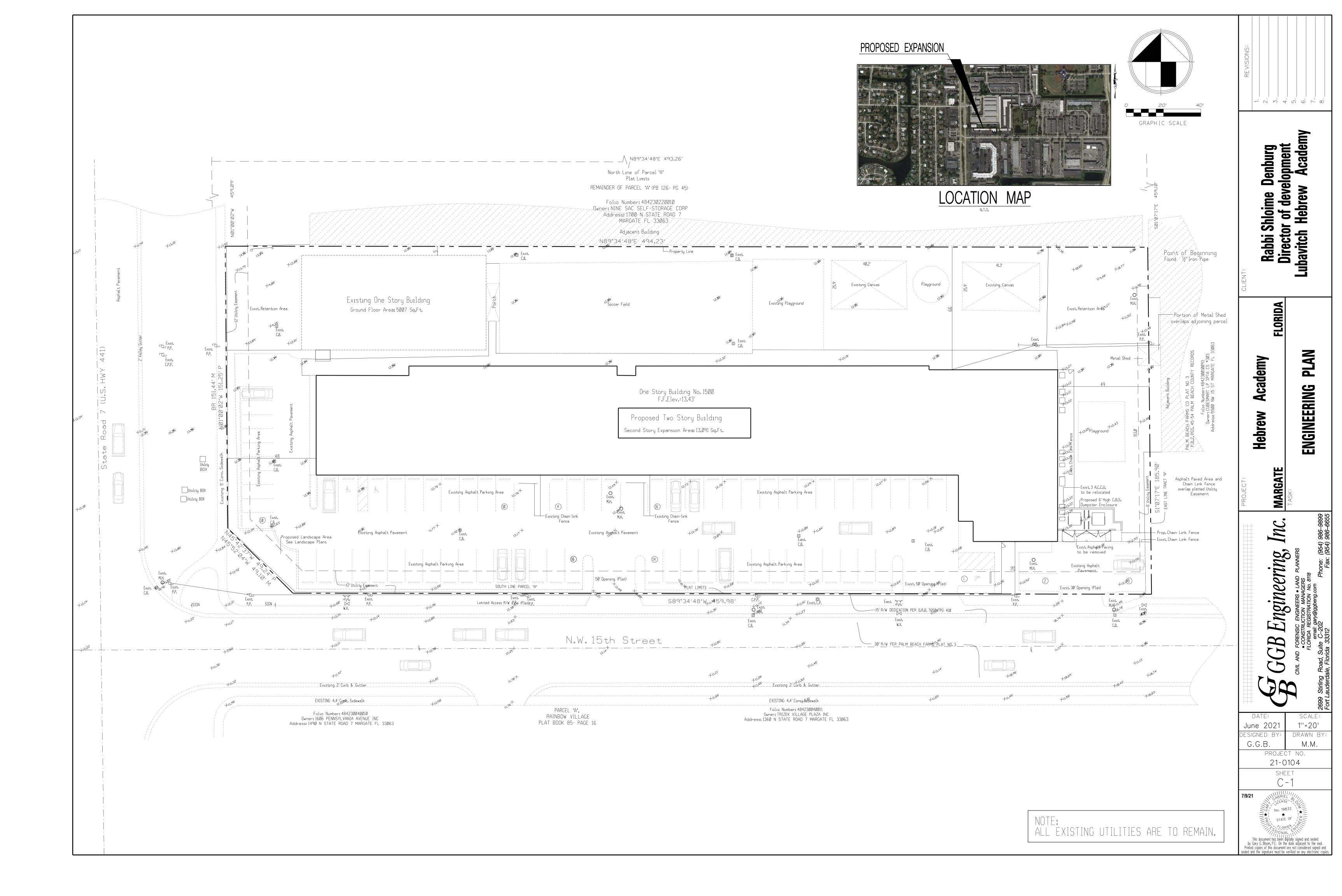
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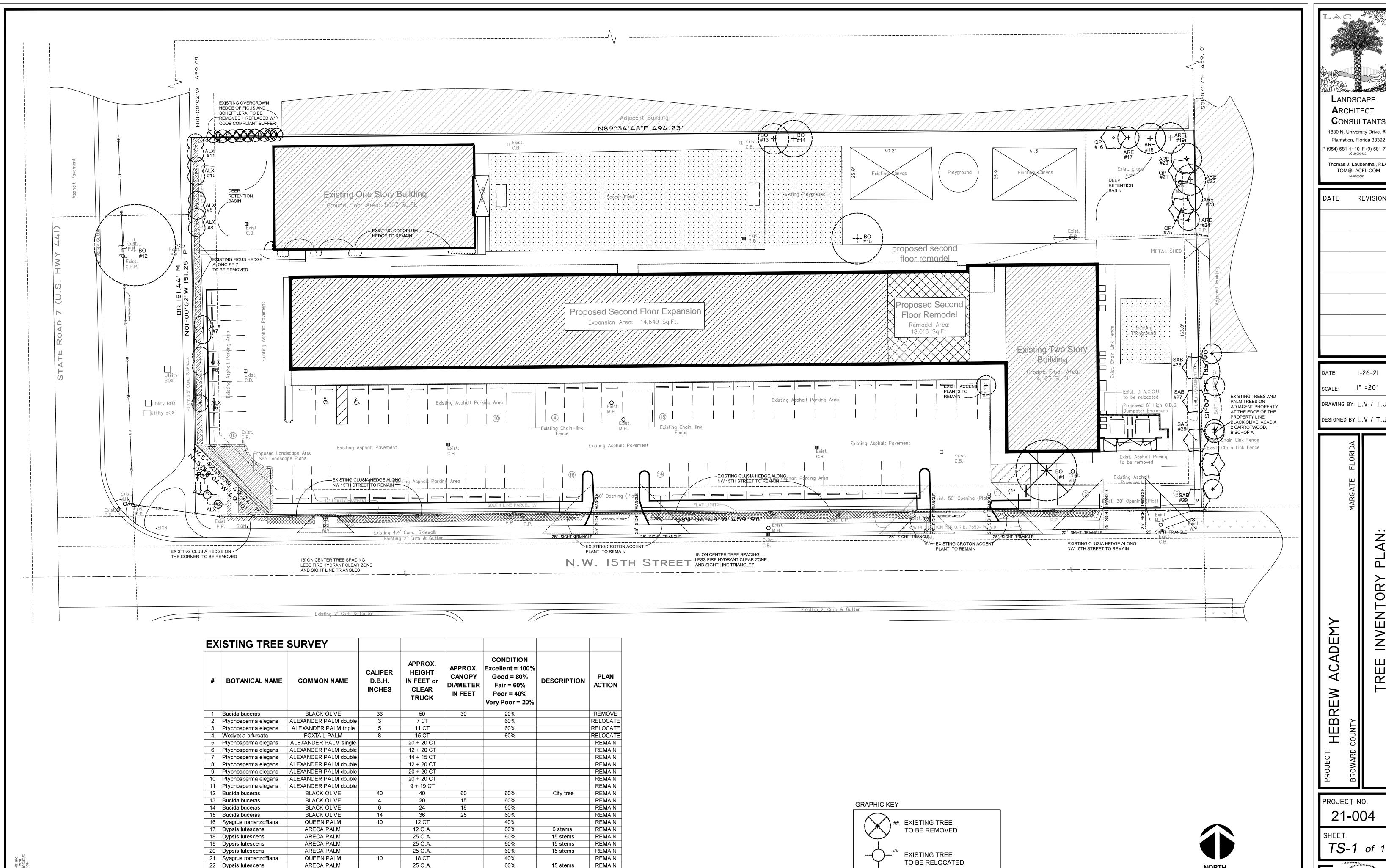
June 2021 DRAWN BY ISIGNED BY PROJECT NO. 21-0104

SHEET SW-3



ealed and the signature must be verified on any electronic cop





23 Dypsis lutescens

24 Dypsis lutescens

26 Sabal palmetto

27 Sabal palmetto

28 Sabal palmetto

29 Sabal palmetto

25 Syagrus romanzoffiana

ARECA PALM

ARECA PALM

QUEEN PALM

SABAL PALM

SABAL PALM

SABAL PALM

SABAL PALM

25 O.A.

12 O.A.

20 CT

10 CT

10 CT

8 CT

10 CT

12

12

60%

60%

40%

60%

60%

60%

60%

REMAIN

REMAIN

REMAIN

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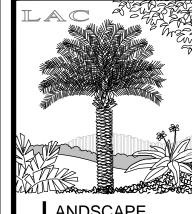
REMAIN

REMAIN

EXISTING TREE TO REMAIN

15 stems

6 stems



LANDSCAPE **A**RCHITECT CONSULTANTS 1830 N. University Drive, #35

Thomas J. Laubenthal, RLA

REVISIONS

1-26-21 I" =20' DRAWING BY: L.V./ T.J.L

DESIGNED BY: L.V./ T.J.

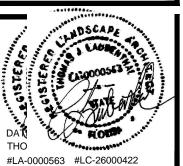
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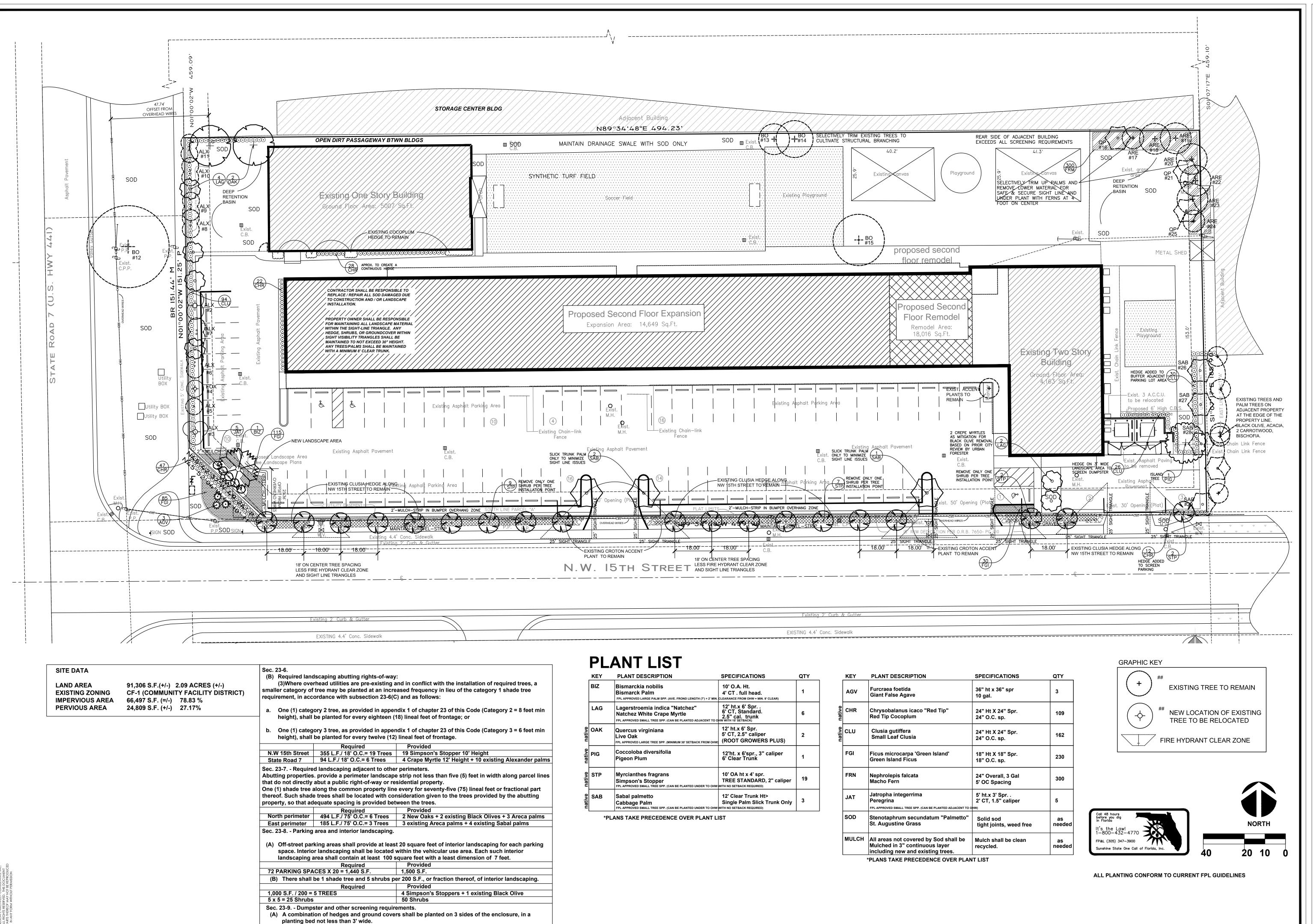
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FP&L (305) 347-3900

Sunshine State One Call of Florida, Inc.





ARCHITECT CONSULTANTS 1830 N. University Drive, #35

Plantation, Florida 33322 Thomas J. Laubenthal, RLA TOM@LACFL.COM

REVISIONS

1-26-21 SCALE: | | = 20' DRAWING BY: L.V./ T.J.

DESIGNED BY: L.V./ T.J.

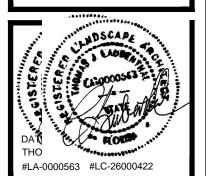
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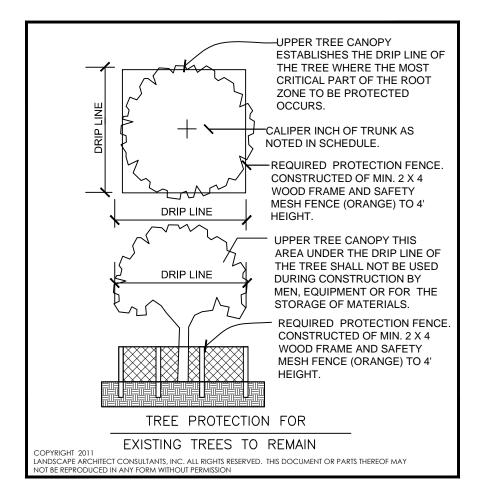
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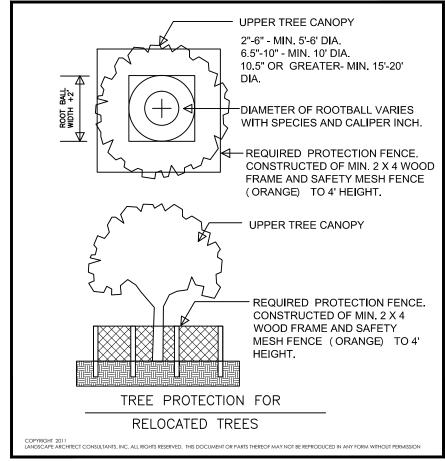
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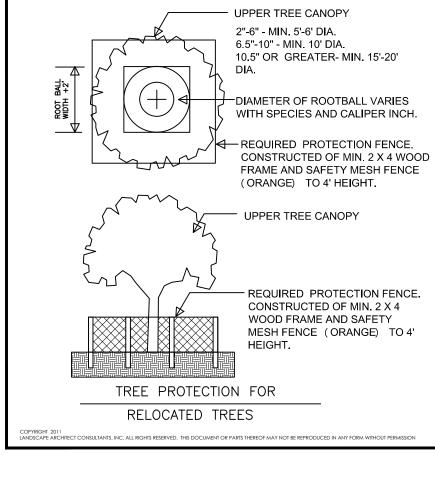
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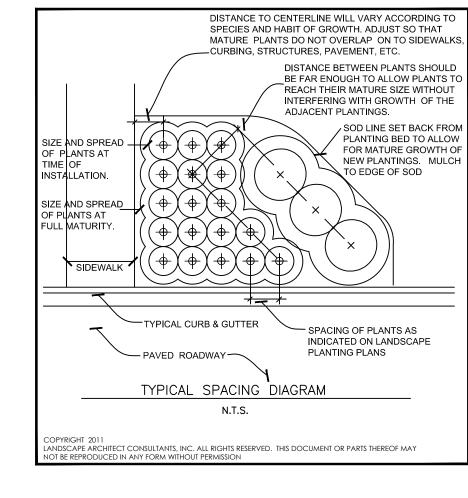
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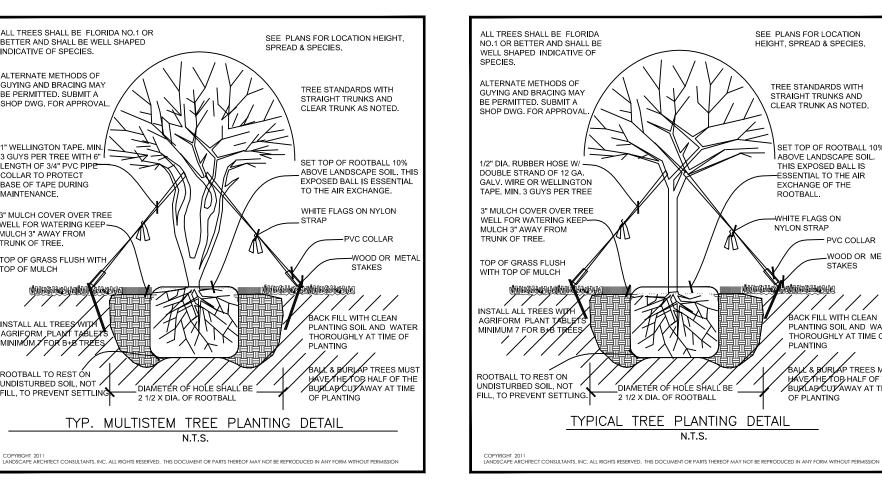


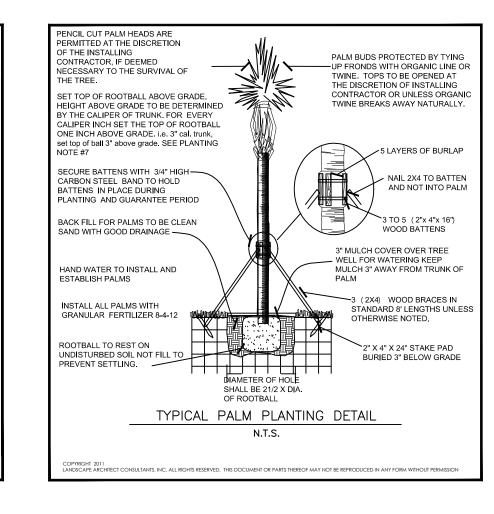












FIRST PLANT SETBACK 8" FROM

EDGE OF WALK TO ALLOW FOR

CONTINUOUS 3" LAYER OF MULCH, TOP

OF MULCH TO FINISH AT 2" BELOW TOP

CONC. SLAB OR WALK

TREE RELOCATION NOTES:

DIAMETER. USED HEREIN SHALL MEAN THE DIAMETER MEASURED AT BREAST HEIGH

FEET (4-1/2) ABOVE THE GROUND. THE DIAMETER OF A MONOCOT IS MEASURED A

ALL DICOT TREES INCLUDING QUERCUS SPP., CUPANIOPSIS SPP., TAMARIND, BUCIDA

SPP. AND FICUS SPP., SHALL BE ROOT PRUNED A MINIMUM OF ONE HUNDRED TWENT 120) DAYS BEFORE BEING RELOCATED, PROTECTION OF TREES AND ROOT ZONES

VITH SAFETY MESH SHALL BE PROVIDED AT THE TIME THE ROOT PRUNING WORK

TIME NEEDED FOR ROOT PRUNING PRIOR TO RELOCATION BASED ON TREE DIAMETE

GREATER THAN 14" - CONSULT LANDSCAPE ARCHITECT AND/OR CERTIFIED ARBORIS'

THE TOTAL CIRCUMFERENCE OF THE ROOT ZONE SHALL BE ROOT PRUNED, CUT TO

DEPTH OF NOT LESS THAN TWENTY FOUR (24) INCHES AND TWELVE (12) INCHES

WIDE. TO GET ALL ROOTS THAT ARE NECESSARY TO THE SUPPORT OF THE TREE IN

RELOCATION. THE CUT TRENCH SHALL BE BACK FILLED WITH LOOSE FRIABLE SOIL

AND MULCH, THEN PLACED UNDER A CONSTANT WATERING SCHEDULE UNTIL THE

ROOT STIMULATE, WATERED IN COMPLETELY, AND MAINTAINED UNDER FULL

RRIGATION FOR A PERIOD ADEQUATE TO ESTABLISH THE TREE.

IRRIGATION FOR A PERIOD ADEQUATE TO ESTABLISH THE TREE

TIME OF THE MOVE. ONCE MOVED. THE TREE SHALL BE INSTALLED WITH MYCORRH

ILL MONOCOT TREES SHALL BE DUG WITH A VERMEER OR SIMILAR TREE SPADE-TYI

EQUIPMENT AND MOVED TO ITS PERMANENT LOCATION IN ONE MOVE. FRONDS SHAL

BE HURRICANE CUT FOR ANY SABAL PALM TO BE RELOCATED. MONOCOTS SHALL B

WATERED BEFORE THE MOVE. ONCE MOVED, THE TREE SHALL BE INSTALLED WITH

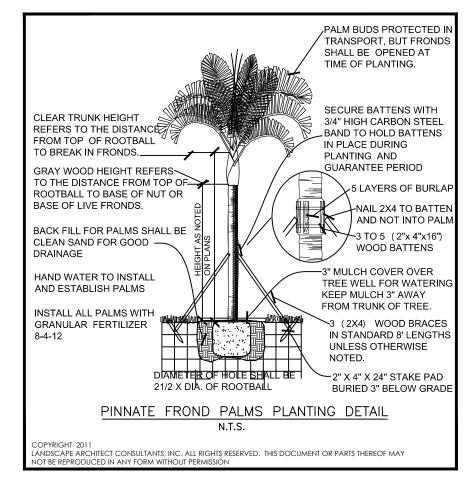
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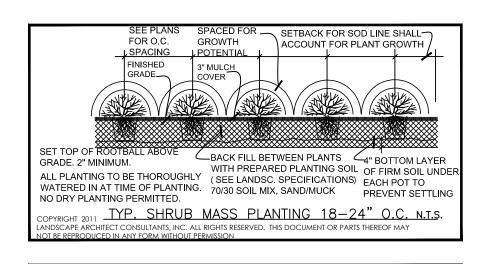
(DBH) OF A DICOT OR A CONIFEROUS TREE AS MEASURED FOUR AND ONE HALF

ONE FOOT (1) ABOVE THE GROUND.

2"-6" - 30 DAYS

6-1/2" - 10" - 60 DAYS





GROWTH

WITH PREPARED PLANTING

TYP. 3-4' O.C. + SHRUB PLANTING DETAIL N.T.S.

SOIL (SEE LANDSC.

DSCAPE ARCHITECT CONSULTANTS, INC. ALL RIGHTS RESERVED. THIS DOCUMENT OR PARTS THEREOF MAY

MIX, SAND/MUCK

SET TOP OF ROOTBALL ABOV

TIME OF PLANTING, NO DRY

THOROUGHLY WATERED IN AT

GRADE. 2" MINIMUM.

PLANTING PERMITTED

PYRIGHT 2011

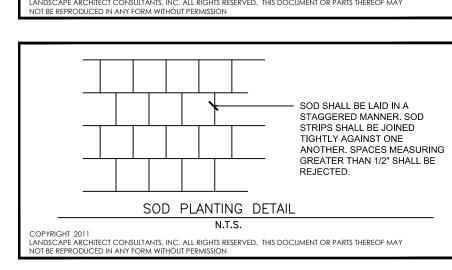
SETBACK FOR SOD LINE SHALL

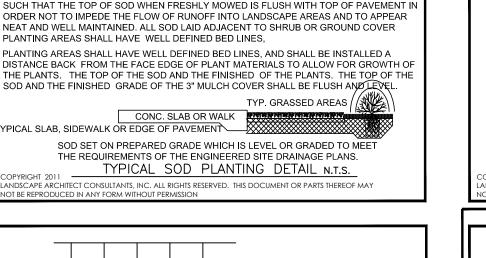
SPECIFICATIONS) 70/30 SOIL PLANTING SOIL AS PER

ACCOUNT FOR PLANT GROWTH

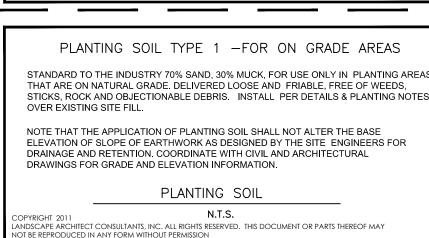
INDIVIDUALLY DUG HOLE

BACK FILLED WITH





TYPICAL SOLID SOD LAID LEVEL WITH TIGHT JOINTS SET ADJACENT TO EDGE OF PAVEMEI



BACK FILL BETWEEN PLANTS WITH 6" PREPARED PLANTING SOIL

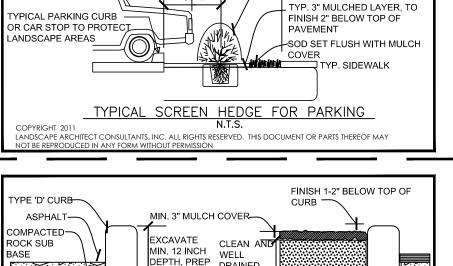
TYP. GROUND COVER PLANTING DETAIL

(SEE LANDSC. SPECIFICATIONS) 60/40 SOIL MIX, SAND/MUCK

CAPE ARCHITECT CONSULTANTS, INC. ALL RIGHTS RESERVED. THIS DOCUMENT OR PARTS THEREOF MA'

SET TOP OF ROOTBALL ABOVE

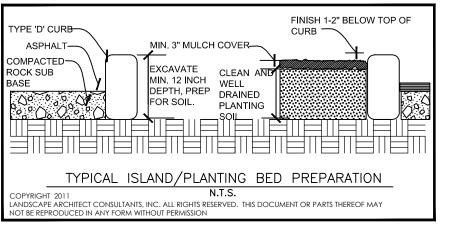
SEE PLANS FOR O.C. SPACING



PLANTING AREA PROPERTY LINE OR BUILDING

HEDGE ROW OR SHRUB MASS

PLANT AS PER SPECIFICATIONS



PLANTING NOTES

- 1. All sizes for plant material shown on plan are to be considered as minimums. All plant material must meet or exceed all minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan will also be required for final acceptance.
- 2. All plant material furnished by the Landscape Contractor shall be Florida No.1 or better, unless otherwise specified, and shall be installed as specified in the most current edition of Grades and Standards for Nursery Plants, Part I by the Florida Department of Agriculture, Consumer Services Division, State Plant Board of Florida.
- 3. Landscape Design and installation shall conform to xeriscape landscape principles as included in the South Florida Water Management District's xeriscape Principle Guide II, updated version. Xeriscape requirements apply to all materials required by code. Additional plantings over and above code are provided to develop a higher aesthetic than code requires, and are not bound by these minimum standards.
- 4. In addition to these requirements all local landscape codes and requirements shall be met as a part of this base bid and contract in order to satisfy the review and approval of the governing municipality.
- 5. Quantities for landscape materials as noted on plans supersede any quantities listed in summary tables or lists.
- 6. All landscaping scheduled to occur in vehicular use areas shall be protected from vehicular encroachment by curbing or other durable barriers.
- 7. All planting holes shall have a minimum diameter of 2/2 times the diameter of the plant ball and have a minimum of 12" of soil on all sides of the plant ball. All planting holes shall be excavated to remove all objectionable materials, such as asphalt, sub-base, concrete, rock, caustic materials with an excessive soil Ph, or similar materials not suited for landscape planting. Planting hole(s) shall be dug to a depth that is 90% the height of the root ball, with the installed root ball resting on undisturbed soil. Top of root ball to be 10% above final grade. For small caliper trees of 4" or less, plant the root ball above grade 1" for every 1" caliper. (i.e. if you have a 3" caliper tree plant the rootball 3" above grade. For all shrubs and ground cover plant the rootball minimum 2" above grade.
- 8. All plant material shall be installed in planting soil that is delivered to the site in a clean, loose and friable condition. All soil shall have well draining characteristics. Soil must be free of all rocks, sticks, objectionable debris including weeds and weed seed. Minimum soil depth requirements may vary with each municipality. See details and local codes for clarification.
- 9. All plant materials shall be thoroughly watered in at the time of planting. No dry planting shall be permitted.
- 10. Local codes require specific formulas for the use of native plants, as well as calculations for required number of code size trees by type and caliper inch. See code calculation tables provided with plan drawings.
- 11. Plans and new plantings shall be required to provide for safe sight lines at all access and egress points from the site, as well as intersections. All emergency equipment such as fire hydrants shall be maintained as visible and accessible, free of obstruction by new plantings. Trees require setbacks from lighting poles and fixtures. The contractor is required to field adjust the location of plant materials to meet these standards as work in contract.
- 12. Fertilizer shall be applied directly to the surface of the plant bed immediately after installation and prior to mulching. Turf Areas - Sunniland Fertilizer 16-4-8, applied per mfg. recommendation noted on the bag. Shrub Areas - Atlantic Fertilizer 12-6-8 plus Minors, applied per mfg. recommendation noted on the bag. Canopy Trees- Atlantic Fertilizer 12-6-8 plus Minors, applied per mfg. recommendation noted on the bag. Palm Trees - Atlantic Fertilizer Palm Mix 8-4-12 plus Minors, applied per mfg. recommendation noted on the bag.
- 13. All landscape areas not covered by shrubs or ground cover shall be planted with sod, and conversely all areas not covered by sod shall be covered with mulch to a minimum depth of (3) three inches of cover when settled. Mulch shall be kept 3" away from the face of the trunk (tree or palm). Eco-Cypress mulch or Eco-Melaleuca mulch shall be used; see natural mulch products at www.mulchingsolutions.com for product information or call 561-499-8148.
- 14. Sod shall be (as noted) solid sod, and shall be laid on a smooth planting base which has been graded to meet the drainage characteristics of the site. All sod shall be laid with closely fitted joints, and shall be in a green and healthy growing condition at planting. Sod shall be free of disease, debris, sticks, rocks and weeds. Variety as specified in plans. Where sod is abutting shrub and/or ground cover beds, the sod line shall be cut in a clean smooth line (radial or straight) free of any jagged or crooked edges.
- 15. All landscape areas shall be finished graded such that they are flush and level with the surrounding paved surfaces as not to impede the flow of drainage into landscape areas and to prevent the back wash of mulch and debris onto paved areas.
- 16. All new landscaped areas shall be excavated of all road rock, existing site fill down to a depth of 12" minimum from top of curb. SEE DETAIL THIS SHEET FOR SPECIFICS.
- 17. All landscape areas shall be irrigated by a fully automatic system adjusted to provide 100% coverage. All heads shall be adjusted to minimum 100% overlap.
- 18. The irrigation system shall be equipped with a rain sensor shutoff device, hard wired to over ride the time clock, controller or pump station in the event of rain or equally wet conditions. This requirement conforms to the County and SFWMD ordinance.
- 19. Any existing trees and their root zones on site shall be protected from damage during construction. All trees/palms to be removed or relocated shall require proper permitting and documentation of size, species, condition and proposed action. Established values for mitigation is required in the case of removals. Trees to be relocated shall be free of any hazardous defects and/or characteristics including but not limited to: Girdling roots, codominant leaders with bark inclusions, active trunk decay, stub cuts, open trunk wounds and broken leader(s). All permitting and review processes must be completed prior to any work being done. Any relocation's shall be root pruned in advance except for palm species. Palm fronds shall be hurricane cut in advance for any Sabal Palms to be relocated.
- 20. All selective trimming of existing and/or relocated trees on site, shall be done applying the standards of the American National Standards Institute, ANSI 300, 2001.
- 21. All new trees and relocated trees shall be guyed and braced applying the Standards of the National Arborist Association Guide Lines 1988 edition or most current.
- 22. All trees and palms shall be setback from roadways, walks and utility clear zones as required to conform to safety standards of the local municipality, FDOT and/or the utility companies, whether the plans show dimensions or not. These standards shall supersede all plan documents and are included in the work required by the contractor to complete the project.
- 23. Any substitutions to plant materials for areas addressed on the plans shall be approved by the governing municipality prior to work performed.
- 24. Landscape materials shall be maintained during construction as part of this base contract and any materials that die or decline below grades and standards shall be replaced immediately for final acceptance.
- 25. All landscape materials are guaranteed for full replacement including the material and labor for a period of one year from the time of final acceptance. This applies to any materials which are dead or have declined below grades and standards. The guarantee is void only in cases of 75 mph hurricane force winds at the site and/or a freeze below 35 degrees when established by the weather bureau as effecting the project location.
- 26. Medium and large maturing palms shall be planted at least 3' (feet) from all hardscapes and at least their typical frond length from a building or light pole.
- 27. Medium and large maturing trees shall be planted at least 5' (feet) from all hardscapes (e.g. sidewalks, driveways, pavers, curbs, etc.) They shall be planted a minimum of 10' (feet) from a building or light pole.



LANDSCAPE **A**RCHITECT CONSULTANTS 1830 N. University Drive, #35 Plantation, Florida 33322

P (954) 581-1110 F (9) 581-71

DATE

Thomas J. Laubenthal, RLA TOM@LACFL.COM

REVISIONS

1-26-21 N.T.S. SCALE:

DRAWING BY: L.V./ T.J. DESIGNED BY: L.V./ T.J.

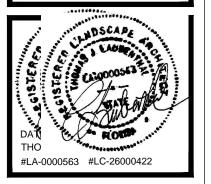
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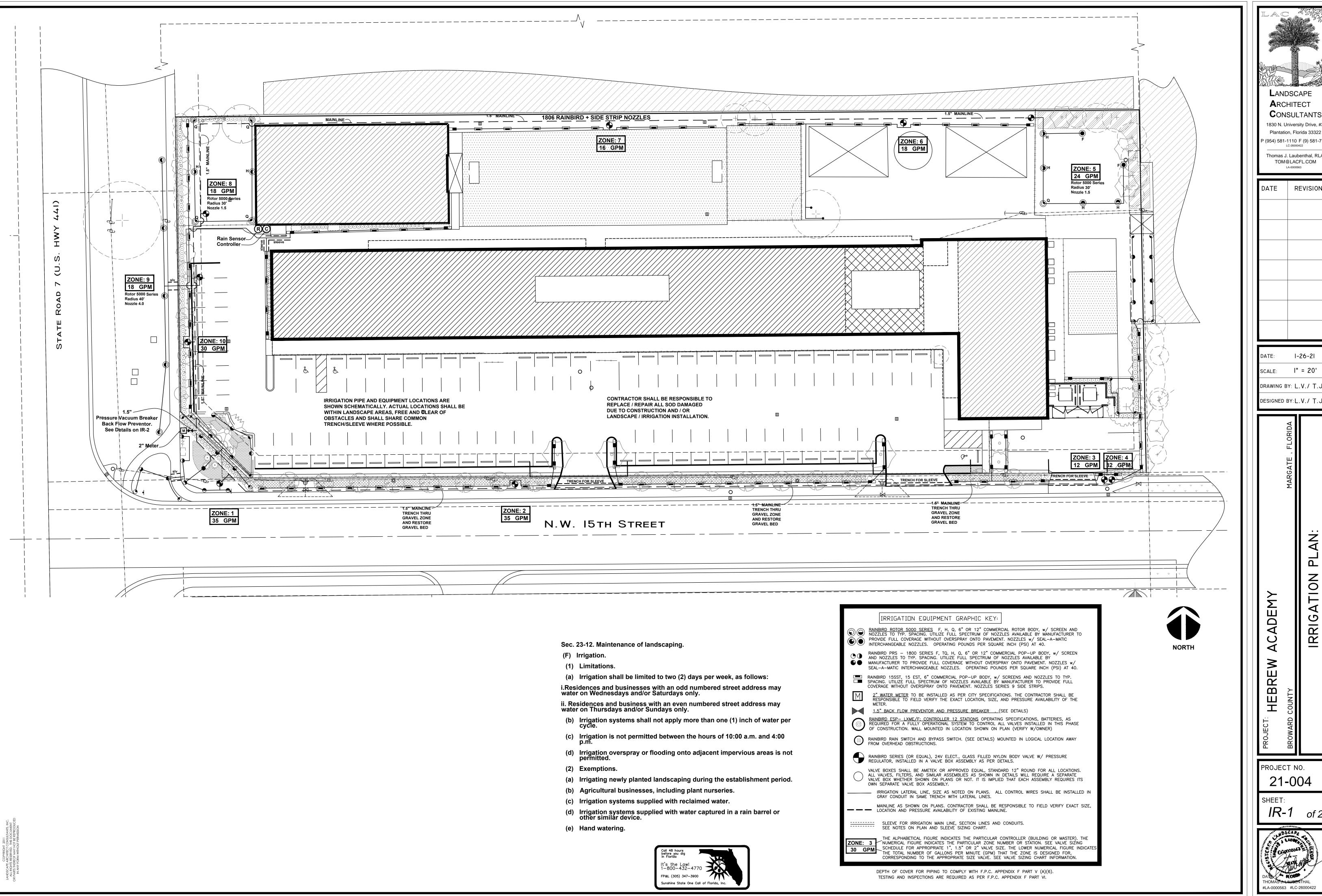
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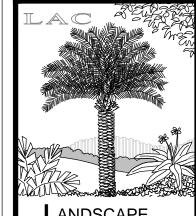
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PROJECT NO. 21-004

LP-2 of 2







ARCHITECT CONSULTANTS 1830 N. University Drive, #39

Thomas J. Laubenthal, RLA TOM@LACFL.COM

DATE REVISIONS

I" = 20'

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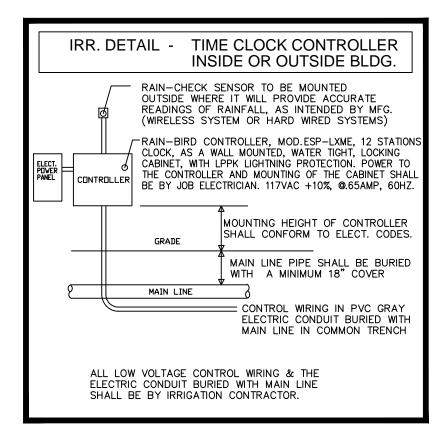
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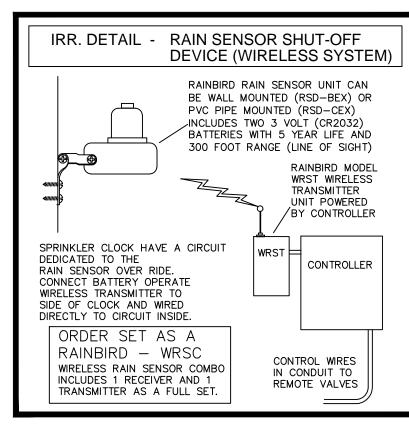
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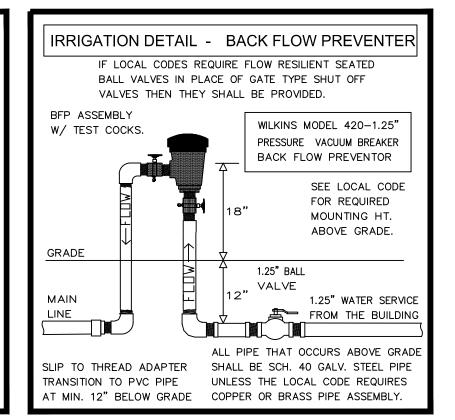
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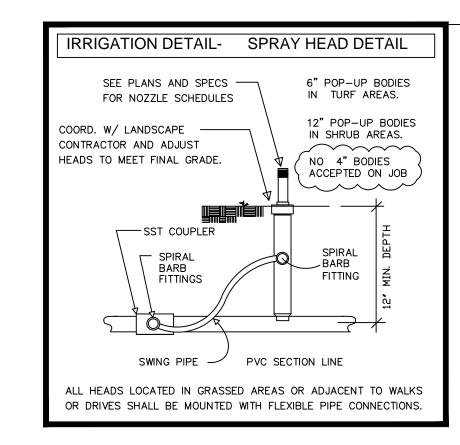
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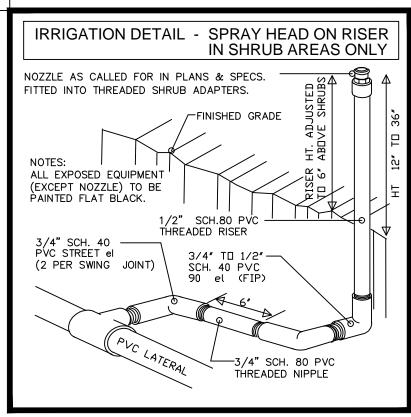


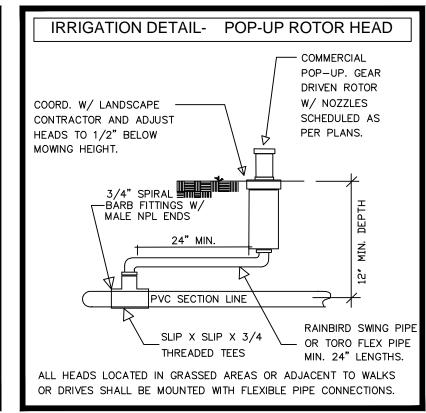


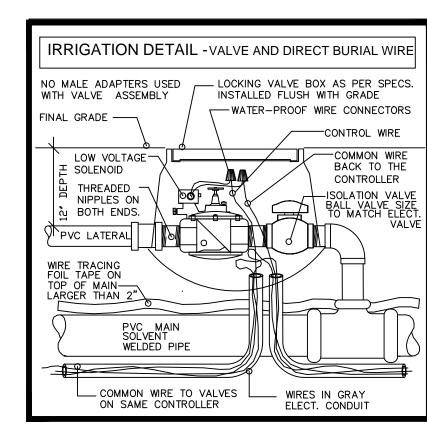












IRRIGATION DETAIL - PIPE SIZING NOTES

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

NO PVC PIPE AND FITTINGS, SMALLER THAN 3/4" PIPE SHALL BE PERMITTED, EXCEPT FOR SWING JOINT ADAPTERS TO FLEX PIPE FITTINGS. ALL SECTION LINE PIPE SHALL BE STANDARD INDUSTRY PIPE SIZES 3/4", 1" 1 1/4", 1 1/2", 2" 2 1/2", 3', AND 4" PIPE, WITH APPROPRIATE NEW SCH. 40 PVC FITTINGS FOR SOLVENT WELDED ASSEMBLY USING CLEANERS/PRIMERS.

IT IS THE INTENT OF THE LANDSCAPE ARCHITECT / DESIGNER TO PROVIDE A SCHEMATIC DRAWING DEMONSTRATING THE RECOMMENDED PIPING LAYOUT. THE CONTRACTOR SHALL CONFORM TO THAT PLAN DIAGRAM WHEREVER POSSIBLE. WHEN A CHANGE IN THE LAYOUT IS DEEMED NECESSARY DUE TO A CONFLICTS, ADJUST PIPE AS NEEDED AND PROVIDE AS—BUILT DATA.

IRRIGATION DETAIL - PIPE SIZING & NOZZLE NOTES

CONTRACTORS SHALL EMPLOY THE FULL SPECTRUM OF NOZZLE PATTERS AVAILABLE FROM THE MANUFACTURER TO PROVIDE THE CORRECT NOZZLES TO COVER THE LANDSCAPE AREAS AND AVOID OVERSPRAY ONTO PAVED AREAS. THIS WOULD INCLUDE BUT NOT BE LIMITED TO, ADJUSTABLE ARC NOZZLES, CENTER STRIP, END STRIP & SIDE STRIP NOZZLES, AND OTHER BASIC NOZZLES DESIGNED TO CONTROL OVERSPRAY ONTO AREAS NOT INTENDED TO GET WET OR REQUIRED COVERAGE. THE USE OF THESE NOZZLE TYPES IS IMPLIED AS PART OF THE BASE BID PRICE AND REPRESENTS A SYSTEM INSTALLATION THAT IS STANDARD TO THE INDUSTRY AND REQUIRED BY LOCAL CODES FOR WATER CONSERVATION AND SAFETY PROTECTION AGAINST WET SURFACES, SLIP & FALL SITUATIONS OR SKID ACCIDENT.

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

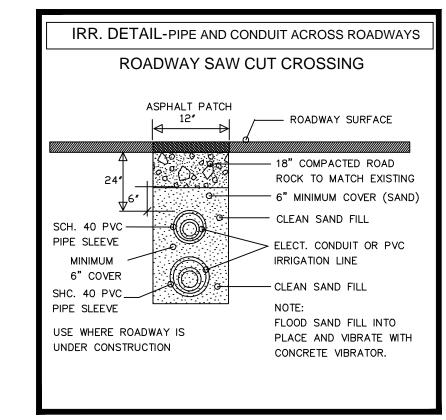
IRRIGATION DETAIL - PIPE SLEEVE SCHEDULE

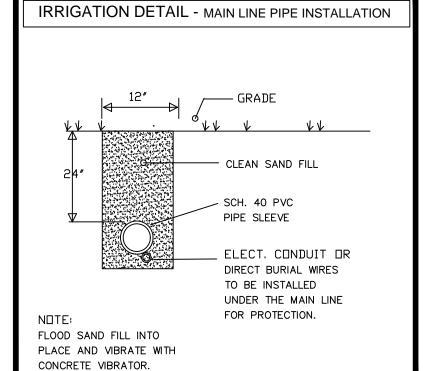
NOTE: SEE PIPE SLEEVING SCHEDULE FOR SLEEVE SIZES. FOR PIPES

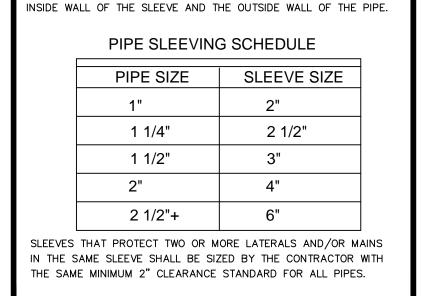
2 1/2" AND OVER THERE SHOULD BE A 2" MINIMUM BETWEEN THE

GENERAL SPRINKLER NOTES:

- 1. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER DRAWINGS OF THE PROJECT TO RESOLVE COORDINATION AND POTENTIAL CONFLICTS WITH EXISTING UNDERGROUND PIPES AND UTILITIES OR WORK BY OTHERS, PRIOR TO ANY WORK BEING DONE. MOST MAIN LINES SHARE ALIGNMENT WITH PERIMETER UTILITY EASEMENTS & SIGNIFICANT LANDSCAPE BUFFER PLANTINGS. AVOID CONFLICTS WITH ROOTBALL AREA OF TREES.
- 2. THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO CALL FOR LOCATIONS AND TO COORDINATE WITH LOCAL AGENCIES TO IDENTIFY LINES, PIPES, CABLES OF EASEMENTS WITHIN THE EFFECTED AREAS, PRIOR TO WORK. ALL WORK SHALL CONFORM TO THE FLORIDA BUILDING CODE PLUMBING SECTION, APPENDIX F FOR IRRIGATION.
- 3. THE INSTALLING CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN LICENSE, AND PERMITS WITHIN THE MUNICIPALITY AND MIAMI—DADE COUNTY AS WELL AS THE RELATED FEES WITHIN THE CONTRACT PRICE. PERMITS FOR SOUTH FLORIDA WATER MANAGEMENT DISTRICT ARE PULLED BY THE OWNER. (QUALIFIED APPLICANT 104.6.1.2) PERMITS WILL ONLY BE ISSUED TO QUALIFIED PEOPLE OR FIRMS. QUALIFICATION SHALL BE IN ACCORDANCE WITH; THE RULES OF THE BROWARD COUNTY CENTRAL EXAMINING BOARD, ORDINANCE 78—9 AND CHAPTER 9 OF THE COUNTY CODES; STATE DBPR, CHAPTER 489, PART 1 OF FLORIDA STATE STATUTES; OR OTHER EXAMINING BOARDS APPROVED BY THE BROWARD BOARD OF RULES AND APPEALS.
- 4. THE HORIZONTAL CONTROL FOR THE PROJECT WILL BE ESTABLISHED BY THE GENERAL CONTRACTOR WHO WILL LOCATE AND STAKE PROPERTY LINES, ALL RECORDED EASEMENTS, LIMIT OF WORK LINE, LIGHT POLES, PAVED AREAS, PARKING ISLANDS, DRAINAGE STRUCTURES AND RELATED FEATURES.
- 5. ALL MAINS AND SECTION LINES ARE SHOWN SCHEMATICALLY. LINES WHERE EVER POSSIBLE SHALL BE CONSOLIDATED INTO COMMON TRENCHES. THE CONTROL WIRES IN GRAY ELECTRICAL CONDUIT SHALL BE LOCATED UNDER THE MAIN FOR PROTECTION.
- 6. ALL MAIN LINES SHALL BE BURIED A UNIFORM 24" BELOW GRADE. ALL SECTION LINES SHALL BE INSTALLED A MINIMUM OF 12" BELOW GRADE.
- 7. SLEEVES UNDER ROADWAYS MAY BE DEEPER THAN 24" TO COORDINATE WITH ROADWAY CONSTRUCTION REQUIREMENTS OR TO COORDINATE WITH UTILITIES. SLEEVES UNDER PAVED PARKING AREAS WILL TYPICALLY MAINTAIN A 24" DEPTH TO ALIGN WITH MAIN LINE INSTALLATION DEPTHS.
- 8. ALL MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241.
- 9. ALL SECTION LINE PIPE FROM 3/4" TO 2" I.D. SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241. ALL SECTION LINE PIPE FROM 2.5" TO 6" SHALL BE SDR-26 (160 PSI) PVC 1120 TYPE 1 PIPE.
- 10. ALL PIPING IS SIZED TO MEET DESIGN CALCULATIONS FOR GPM FLOW AND FOR A PRE—DESIGNED CUSHION TO ALLOW FOR NOMINAL REPAIRS AND FOR MODIFICATIONS TO THE SYSTEM WHICH OCCUR OVER TIME IN NORMAL OPERATION OF SYSTEM. LINE SHALL BE INSTALLED TO THE SIZE AS SHOWN IN PLANS. DOWN SIZING LINES IS NOT PERMITTED WITHOUT A CHANGE ORDER AND A REVISION OF THE DRAWING. THE CONTRACTOR MAY SUGGEST REVISION OR VALUE ENGINEERING WITH THE LANDSCAPE ARCHITECT FOR REVIEW AND WRITTEN APPROVALS PRIOR TO IMPLEMENTATION.
- 11. ALL PVC SOLVENT WELDED ASSEMBLY SHALL BE CLEANED AND PRIMED PRIOR TO THE SOLVENT WELD. ALL PVC CEMENT SHALL CONFORM TO ASTM D-2564. ALL PVC PIPE CLEANER SHALL CONFORM TO ASTM F-656.
- 12. ALL WORK SHALL BE DONE IN A GOOD WORKMAN—LIKE MANNER AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND STANDARDS OF THE FLORIDA IRRIGATION SOCIETY, BROWARD CHAPTER AND FLORIDA BUILDING CODE APPENDIX F.
- 13. ALL CONTROL WIRES SHALL BE U.L. APPROVED DIRECT BURIAL TYPE PLASTIC COATED WIRE, AWG SIZE MINIMUM 14 GAUGE SOLID OR 12 STRAND WIRE. ALL SPLICES SHALL BE MADE WITH RAINBIRD ST-03 SNAP TIGHT WATERPROOF CONNECTORS. ALL WIRES SHALL BE MARKED WITH DURABLE TAGS IDENTIFYING EACH AND ALL WIRES.
- 14. ALL CONTROL WIRES SHALL BE INSTALLED IN U.L. APPROVED SIZE OF CLASS 160 GRAY ELECTRICAL CONDUIT WITH SWEEPS UP INTO A PULL BOX OR VALVE BOX ASSEMBLY.
- 15. THE IRRIGATION CONTRACTOR SHALL BRING THE CONTROL WIRES TO THE TIMECLOCK/CONTROLLER AND CONNECT ALL WIRING ON THE LOW VOLTAGE SIDE OF THE PANEL. ALL HIGH VOLTAGE WIRING AND POWER IS PROVIDED BY THE PUMP MANUFACTURER AND THE OWNER. LABEL ALL CONTROL WIRES AT THE PANEL TO CONFORM TO THOSE IN THE FIELD.
- 16. ALL VALVE BOXES AND PULL BOXES FOR CONTROL WIRES SHALL BE AN AMETEX BOX, MINIMUM 10"
 DIAMETER ROUND BOX. ONE PER EACH VALVE.
- 17. EACH LENGTH OF MAIN LINE BETWEEN THE PUMP STATION AND EACH ISOLATION VALVE SHALL BE PRESSURE CHECKED AND INSPECTED BY THE DESIGN PROFESSIONAL. PRESSURE MUST MAINTAIN A MINIMUM OF 5 PSI LOSS IN 24 HOURS FROM A 100 PSI PRIMING FOR ANY GIVEN TEST LENGTH.
- 18. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE WATER DEPARTMENT TO INSTALL THE BACK FLOW PREVENTOR ACCORDING TO LOCAL CODES & STANDARDS ADJUSTING TO SCHEDULES OF EQUIPMENT, PIPING, MATERIALS FOR SIGN OFF AND APPROVALS. CODE REQUIREMENTS TAKE PRECEDENT OVER DETAILS & SPECIFICATIONS.
- 19. THE FULL SPECTRUM OF NOZZLES, NOZZLE ANGLES, FULL CIRCLE, PART CIRCLE & ADJUSTABLE PATTERN HEADS IS TO BE EMPLOYED IN THIS CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE SYSTEM FOR COMPLETE COVERAGE WITH THE MANUFACTURERS RECOMMENDED 100% OVERLAP, AND UTILIZE THE ADJUSTABLE PATTERN HEADS TO AVOID OVERSPRAY TO PAVED SURFACES. THE CONTRACTOR IS ALSO TO INCLUDE IN HIS BID AND PROVIDE FOR THE INSTALLATION OF ANY ADDITIONAL HEADS REQUIRED TO BE ADDED TO INSURE COVERAGE FOR THE PROJECT.
- 20. ALL HEADS SHALL BE SET USING THE MANUFACTURES RECOMMENDED SWING JOINT ASSEMBLIES INCLUDING SPIRAL BARB FITTINGS AND THICK WALL PIPE OR SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 21. ALL MATERIALS ARE GUARANTEED FREE FROM DEFECTS AND ALL WORKMANSHIP AND INSTALLATION ARE GUARANTEED FOR THE COST OF FULL REPLACEMENT FOR A PERIOD OF ONE YEAR FROM THE TIME OF COMPLETION AND FINAL ACCEPTANCE OF EACH SEPARATE, COMPLETED, AND FULLY OPERATIONAL SYSTEM.







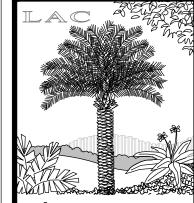
MAIN LINE PIPE SHALL BE INSTALLED WITH A MINIMUM OF 18" OF COVER. NO ROCK SHALL BE IN CONTACT WITH PIPE.

MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE ONLY, WITH SOLVENT WELDED FITTINGS, INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS INCLUDING PIPE CLEANER AND SOLVENT WELDING.

ALL NEW CONSTRUCTED MAIN LINES MUST BE PRESSURE CHECKED PRIOR TO BACK FILLING. PRESSURE CHECKS SHALL INCLUDE INSTALLED VALVE ASSEMBLIES, WITH TEMPORARY CAPS TO CLOSE THE SYSTEM. PRESSURE SHALL BE BROUGHT UP TO 100 PSI, WITH A PRESSURE GAUGE IN PLACE, AND LEFT AT THAT PRESSURE FOR 24 HOURS. ANY PRESSURE LOSS OF GREATER THAN 5 PSI IN 24 HOURS IS A FAILURE OF THE MAIN.

ANY LEAKS OR BREAKS IN THE MAIN SHALL BE LOCATED AND REPAIRED, THEN THE MAIN LINE SHALL BE RETESTED BY THE SAME PROCEDURE, FOR FINAL APPROVAL AND ACCEPTANCE.





LANDSCAPE
ARCHITECT
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1830 N. University Drive, #35
Plantation, Florida 33322
P (954) 581-1110 F (9) 581-711

Thomas J. Laubenthal, RLA TOM@LACFL.COM LA-0000563

DATE	REVISIONS:

DATE: I-26-2I

SCALE: N.T.S.

DRAWING BY: L.V./ T.J.I

DESIGNED BY: L.V./ T.J.

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DETAIL S.

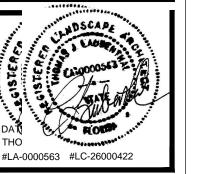
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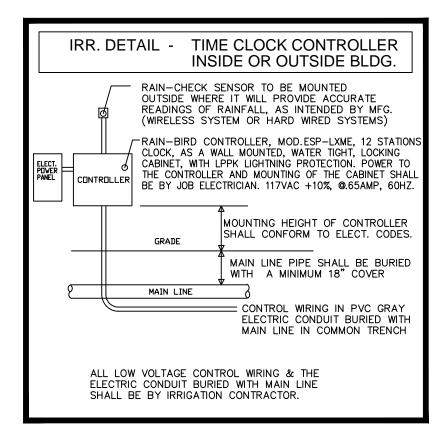
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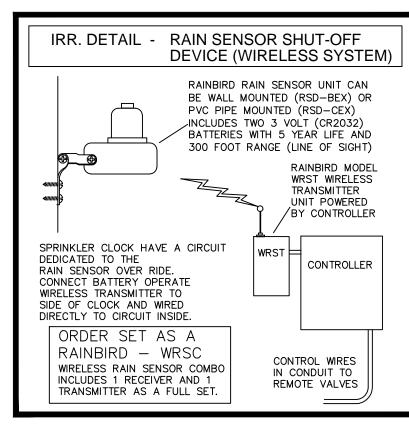
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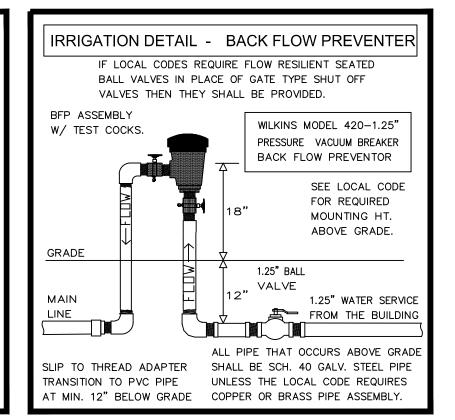
PROJECT NO. 21-004

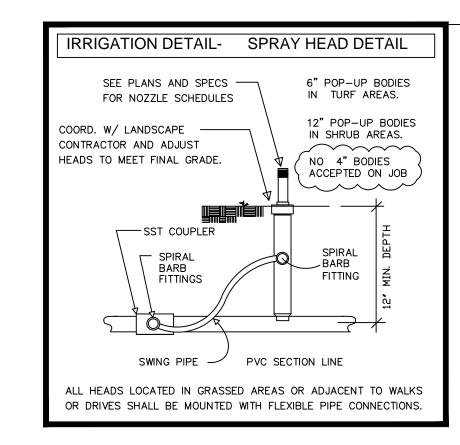
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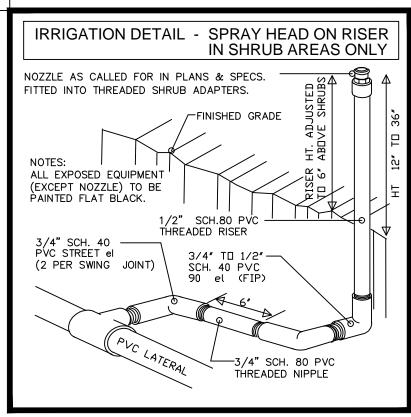


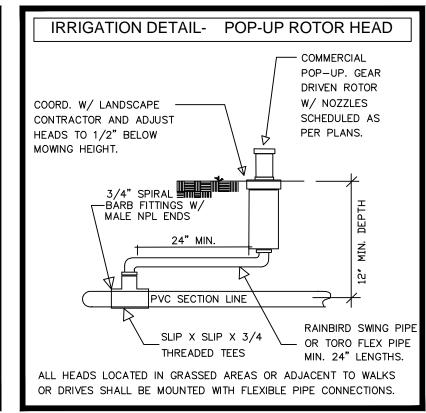


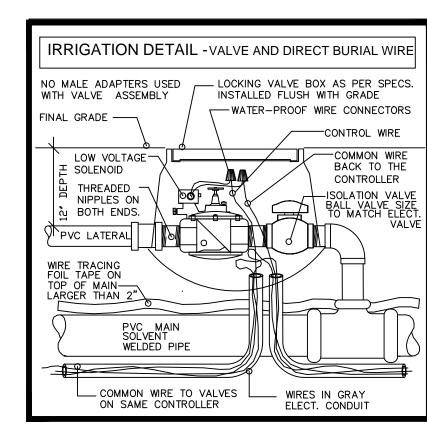












IRRIGATION DETAIL - PIPE SIZING NOTES

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

NO PVC PIPE AND FITTINGS, SMALLER THAN 3/4" PIPE SHALL BE PERMITTED, EXCEPT FOR SWING JOINT ADAPTERS TO FLEX PIPE FITTINGS. ALL SECTION LINE PIPE SHALL BE STANDARD INDUSTRY PIPE SIZES 3/4", 1" 1 1/4", 1 1/2", 2" 2 1/2", 3', AND 4" PIPE, WITH APPROPRIATE NEW SCH. 40 PVC FITTINGS FOR SOLVENT WELDED ASSEMBLY USING CLEANERS/PRIMERS.

IT IS THE INTENT OF THE LANDSCAPE ARCHITECT / DESIGNER TO PROVIDE A SCHEMATIC DRAWING DEMONSTRATING THE RECOMMENDED PIPING LAYOUT. THE CONTRACTOR SHALL CONFORM TO THAT PLAN DIAGRAM WHEREVER POSSIBLE. WHEN A CHANGE IN THE LAYOUT IS DEEMED NECESSARY DUE TO A CONFLICTS, ADJUST PIPE AS NEEDED AND PROVIDE AS—BUILT DATA.

IRRIGATION DETAIL - PIPE SIZING & NOZZLE NOTES

CONTRACTORS SHALL EMPLOY THE FULL SPECTRUM OF NOZZLE PATTERS AVAILABLE FROM THE MANUFACTURER TO PROVIDE THE CORRECT NOZZLES TO COVER THE LANDSCAPE AREAS AND AVOID OVERSPRAY ONTO PAVED AREAS. THIS WOULD INCLUDE BUT NOT BE LIMITED TO, ADJUSTABLE ARC NOZZLES, CENTER STRIP, END STRIP & SIDE STRIP NOZZLES, AND OTHER BASIC NOZZLES DESIGNED TO CONTROL OVERSPRAY ONTO AREAS NOT INTENDED TO GET WET OR REQUIRED COVERAGE. THE USE OF THESE NOZZLE TYPES IS IMPLIED AS PART OF THE BASE BID PRICE AND REPRESENTS A SYSTEM INSTALLATION THAT IS STANDARD TO THE INDUSTRY AND REQUIRED BY LOCAL CODES FOR WATER CONSERVATION AND SAFETY PROTECTION AGAINST WET SURFACES, SLIP & FALL SITUATIONS OR SKID ACCIDENT.

PIPES ARE SIZED SPECIFICALLY TO THE ANTICIPATE THE USE OF THE APPROPRIATE NOZZLE REQUIRED FOR ADEQUATE COVERAGE WITHOUT OVERSPRAY. THE PIPE SIZE IS DESIGNED WITH A REASONABLE MINIMUM CUSHION IN THE LINE SIZE THAT WILL ALLOW THE OWNER THE LATITUDE TO EFFECT NORMAL REPAIRS AND CHANGES OVER COMING YEARS. DO NOT REDUCE THE LINE SIZES FROM THE SCHEDULE SHOWN.

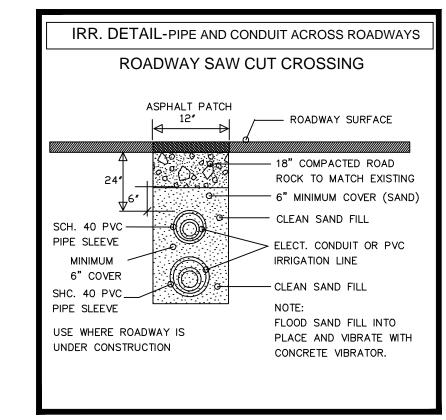
IRRIGATION DETAIL - PIPE SLEEVE SCHEDULE

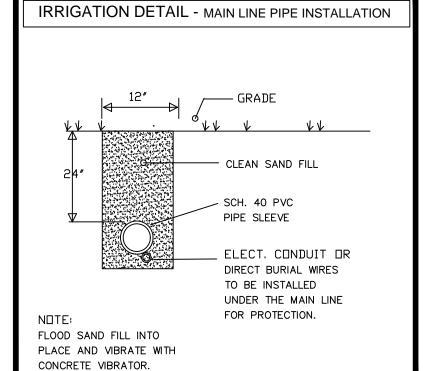
NOTE: SEE PIPE SLEEVING SCHEDULE FOR SLEEVE SIZES. FOR PIPES

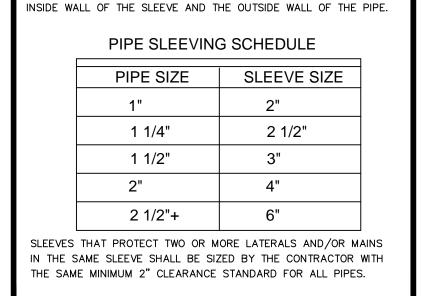
2 1/2" AND OVER THERE SHOULD BE A 2" MINIMUM BETWEEN THE

GENERAL SPRINKLER NOTES:

- 1. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALL OTHER DRAWINGS OF THE PROJECT TO RESOLVE COORDINATION AND POTENTIAL CONFLICTS WITH EXISTING UNDERGROUND PIPES AND UTILITIES OR WORK BY OTHERS, PRIOR TO ANY WORK BEING DONE. MOST MAIN LINES SHARE ALIGNMENT WITH PERIMETER UTILITY EASEMENTS & SIGNIFICANT LANDSCAPE BUFFER PLANTINGS. AVOID CONFLICTS WITH ROOTBALL AREA OF TREES.
- 2. THE IRRIGATION CONTRACTOR IS RESPONSIBLE TO CALL FOR LOCATIONS AND TO COORDINATE WITH LOCAL AGENCIES TO IDENTIFY LINES, PIPES, CABLES OF EASEMENTS WITHIN THE EFFECTED AREAS, PRIOR TO WORK. ALL WORK SHALL CONFORM TO THE FLORIDA BUILDING CODE PLUMBING SECTION, APPENDIX F FOR IRRIGATION.
- 3. THE INSTALLING CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN LICENSE, AND PERMITS WITHIN THE MUNICIPALITY AND MIAMI—DADE COUNTY AS WELL AS THE RELATED FEES WITHIN THE CONTRACT PRICE. PERMITS FOR SOUTH FLORIDA WATER MANAGEMENT DISTRICT ARE PULLED BY THE OWNER. (QUALIFIED APPLICANT 104.6.1.2) PERMITS WILL ONLY BE ISSUED TO QUALIFIED PEOPLE OR FIRMS. QUALIFICATION SHALL BE IN ACCORDANCE WITH; THE RULES OF THE BROWARD COUNTY CENTRAL EXAMINING BOARD, ORDINANCE 78—9 AND CHAPTER 9 OF THE COUNTY CODES; STATE DBPR, CHAPTER 489, PART 1 OF FLORIDA STATE STATUTES; OR OTHER EXAMINING BOARDS APPROVED BY THE BROWARD BOARD OF RULES AND APPEALS.
- 4. THE HORIZONTAL CONTROL FOR THE PROJECT WILL BE ESTABLISHED BY THE GENERAL CONTRACTOR WHO WILL LOCATE AND STAKE PROPERTY LINES, ALL RECORDED EASEMENTS, LIMIT OF WORK LINE, LIGHT POLES, PAVED AREAS, PARKING ISLANDS, DRAINAGE STRUCTURES AND RELATED FEATURES.
- 5. ALL MAINS AND SECTION LINES ARE SHOWN SCHEMATICALLY. LINES WHERE EVER POSSIBLE SHALL BE CONSOLIDATED INTO COMMON TRENCHES. THE CONTROL WIRES IN GRAY ELECTRICAL CONDUIT SHALL BE LOCATED UNDER THE MAIN FOR PROTECTION.
- 6. ALL MAIN LINES SHALL BE BURIED A UNIFORM 24" BELOW GRADE. ALL SECTION LINES SHALL BE INSTALLED A MINIMUM OF 12" BELOW GRADE.
- 7. SLEEVES UNDER ROADWAYS MAY BE DEEPER THAN 24" TO COORDINATE WITH ROADWAY CONSTRUCTION REQUIREMENTS OR TO COORDINATE WITH UTILITIES. SLEEVES UNDER PAVED PARKING AREAS WILL TYPICALLY MAINTAIN A 24" DEPTH TO ALIGN WITH MAIN LINE INSTALLATION DEPTHS.
- 8. ALL MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241.
- 9. ALL SECTION LINE PIPE FROM 3/4" TO 2" I.D. SHALL BE SCHEDULE 40 PVC NEW PIPE ONLY. TYPE 1, PIPE, ASTM D-2241. ALL SECTION LINE PIPE FROM 2.5" TO 6" SHALL BE SDR-26 (160 PSI) PVC 1120 TYPE 1 PIPE.
- 10. ALL PIPING IS SIZED TO MEET DESIGN CALCULATIONS FOR GPM FLOW AND FOR A PRE—DESIGNED CUSHION TO ALLOW FOR NOMINAL REPAIRS AND FOR MODIFICATIONS TO THE SYSTEM WHICH OCCUR OVER TIME IN NORMAL OPERATION OF SYSTEM. LINE SHALL BE INSTALLED TO THE SIZE AS SHOWN IN PLANS. DOWN SIZING LINES IS NOT PERMITTED WITHOUT A CHANGE ORDER AND A REVISION OF THE DRAWING. THE CONTRACTOR MAY SUGGEST REVISION OR VALUE ENGINEERING WITH THE LANDSCAPE ARCHITECT FOR REVIEW AND WRITTEN APPROVALS PRIOR TO IMPLEMENTATION.
- 11. ALL PVC SOLVENT WELDED ASSEMBLY SHALL BE CLEANED AND PRIMED PRIOR TO THE SOLVENT WELD. ALL PVC CEMENT SHALL CONFORM TO ASTM D-2564. ALL PVC PIPE CLEANER SHALL CONFORM TO ASTM F-656.
- 12. ALL WORK SHALL BE DONE IN A GOOD WORKMAN—LIKE MANNER AND IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND STANDARDS OF THE FLORIDA IRRIGATION SOCIETY, BROWARD CHAPTER AND FLORIDA BUILDING CODE APPENDIX F.
- 13. ALL CONTROL WIRES SHALL BE U.L. APPROVED DIRECT BURIAL TYPE PLASTIC COATED WIRE, AWG SIZE MINIMUM 14 GAUGE SOLID OR 12 STRAND WIRE. ALL SPLICES SHALL BE MADE WITH RAINBIRD ST-03 SNAP TIGHT WATERPROOF CONNECTORS. ALL WIRES SHALL BE MARKED WITH DURABLE TAGS IDENTIFYING EACH AND ALL WIRES.
- 14. ALL CONTROL WIRES SHALL BE INSTALLED IN U.L. APPROVED SIZE OF CLASS 160 GRAY ELECTRICAL CONDUIT WITH SWEEPS UP INTO A PULL BOX OR VALVE BOX ASSEMBLY.
- 15. THE IRRIGATION CONTRACTOR SHALL BRING THE CONTROL WIRES TO THE TIMECLOCK/CONTROLLER AND CONNECT ALL WIRING ON THE LOW VOLTAGE SIDE OF THE PANEL. ALL HIGH VOLTAGE WIRING AND POWER IS PROVIDED BY THE PUMP MANUFACTURER AND THE OWNER. LABEL ALL CONTROL WIRES AT THE PANEL TO CONFORM TO THOSE IN THE FIELD.
- 16. ALL VALVE BOXES AND PULL BOXES FOR CONTROL WIRES SHALL BE AN AMETEX BOX, MINIMUM 10"
 DIAMETER ROUND BOX. ONE PER EACH VALVE.
- 17. EACH LENGTH OF MAIN LINE BETWEEN THE PUMP STATION AND EACH ISOLATION VALVE SHALL BE PRESSURE CHECKED AND INSPECTED BY THE DESIGN PROFESSIONAL. PRESSURE MUST MAINTAIN A MINIMUM OF 5 PSI LOSS IN 24 HOURS FROM A 100 PSI PRIMING FOR ANY GIVEN TEST LENGTH.
- 18. THE SPRINKLER CONTRACTOR SHALL COORDINATE WITH THE WATER DEPARTMENT TO INSTALL THE BACK FLOW PREVENTOR ACCORDING TO LOCAL CODES & STANDARDS ADJUSTING TO SCHEDULES OF EQUIPMENT, PIPING, MATERIALS FOR SIGN OFF AND APPROVALS. CODE REQUIREMENTS TAKE PRECEDENT OVER DETAILS & SPECIFICATIONS.
- 19. THE FULL SPECTRUM OF NOZZLES, NOZZLE ANGLES, FULL CIRCLE, PART CIRCLE & ADJUSTABLE PATTERN HEADS IS TO BE EMPLOYED IN THIS CONSTRUCTION. THE CONTRACTOR SHALL ADJUST THE SYSTEM FOR COMPLETE COVERAGE WITH THE MANUFACTURERS RECOMMENDED 100% OVERLAP, AND UTILIZE THE ADJUSTABLE PATTERN HEADS TO AVOID OVERSPRAY TO PAVED SURFACES. THE CONTRACTOR IS ALSO TO INCLUDE IN HIS BID AND PROVIDE FOR THE INSTALLATION OF ANY ADDITIONAL HEADS REQUIRED TO BE ADDED TO INSURE COVERAGE FOR THE PROJECT.
- 20. ALL HEADS SHALL BE SET USING THE MANUFACTURES RECOMMENDED SWING JOINT ASSEMBLIES INCLUDING SPIRAL BARB FITTINGS AND THICK WALL PIPE OR SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 21. ALL MATERIALS ARE GUARANTEED FREE FROM DEFECTS AND ALL WORKMANSHIP AND INSTALLATION ARE GUARANTEED FOR THE COST OF FULL REPLACEMENT FOR A PERIOD OF ONE YEAR FROM THE TIME OF COMPLETION AND FINAL ACCEPTANCE OF EACH SEPARATE, COMPLETED, AND FULLY OPERATIONAL SYSTEM.







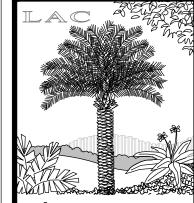
MAIN LINE PIPE SHALL BE INSTALLED WITH A MINIMUM OF 18" OF COVER. NO ROCK SHALL BE IN CONTACT WITH PIPE.

MAIN LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE ONLY, WITH SOLVENT WELDED FITTINGS, INSTALLED AS PER THE MANUFACTURERS RECOMMENDATIONS INCLUDING PIPE CLEANER AND SOLVENT WELDING.

ALL NEW CONSTRUCTED MAIN LINES MUST BE PRESSURE CHECKED PRIOR TO BACK FILLING. PRESSURE CHECKS SHALL INCLUDE INSTALLED VALVE ASSEMBLIES, WITH TEMPORARY CAPS TO CLOSE THE SYSTEM. PRESSURE SHALL BE BROUGHT UP TO 100 PSI, WITH A PRESSURE GAUGE IN PLACE, AND LEFT AT THAT PRESSURE FOR 24 HOURS. ANY PRESSURE LOSS OF GREATER THAN 5 PSI IN 24 HOURS IS A FAILURE OF THE MAIN.

ANY LEAKS OR BREAKS IN THE MAIN SHALL BE LOCATED AND REPAIRED, THEN THE MAIN LINE SHALL BE RETESTED BY THE SAME PROCEDURE, FOR FINAL APPROVAL AND ACCEPTANCE.





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DRAWING BY: L.V./ T.J.I

DESIGNED BY: L.V./ T.J.

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