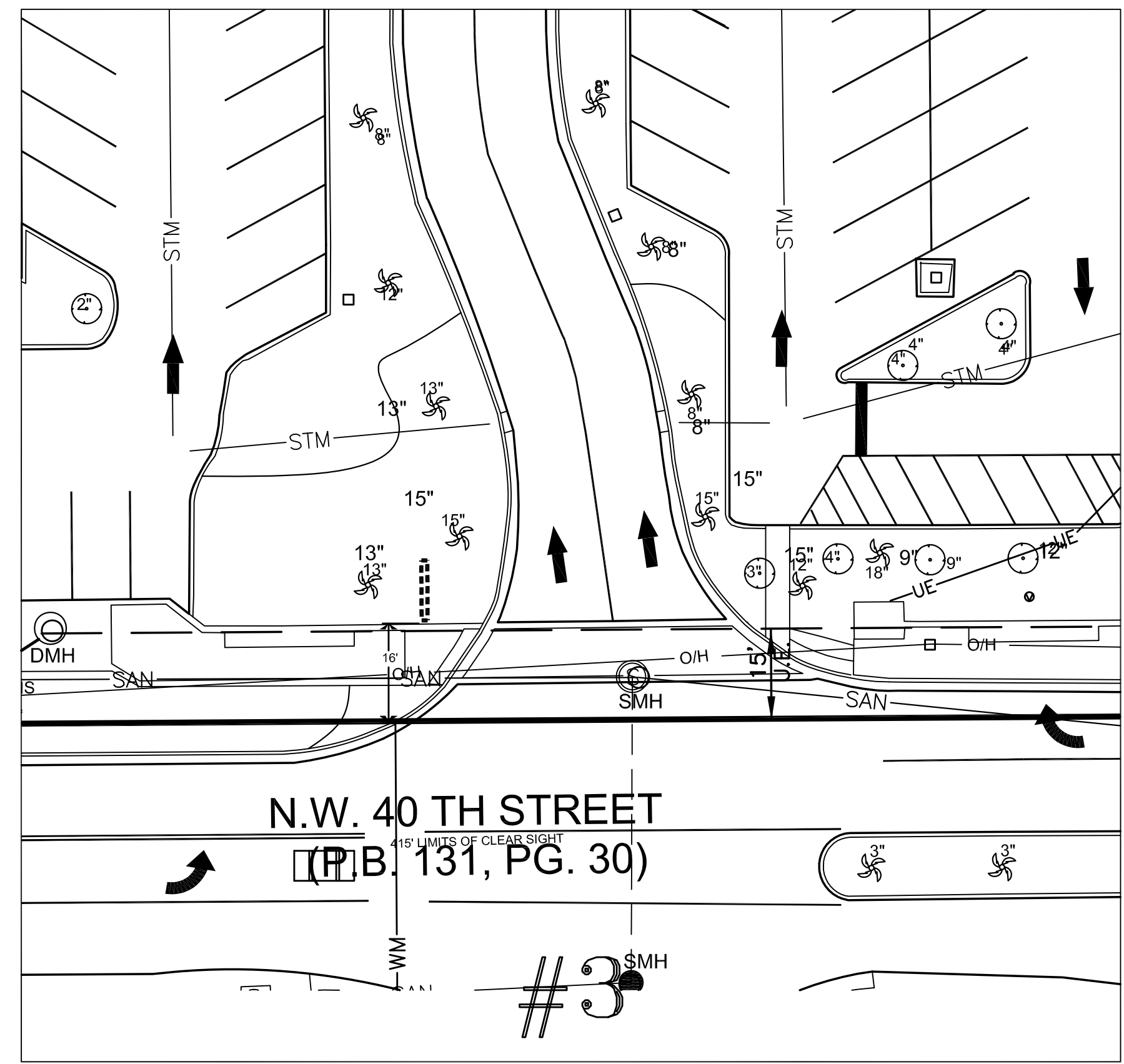
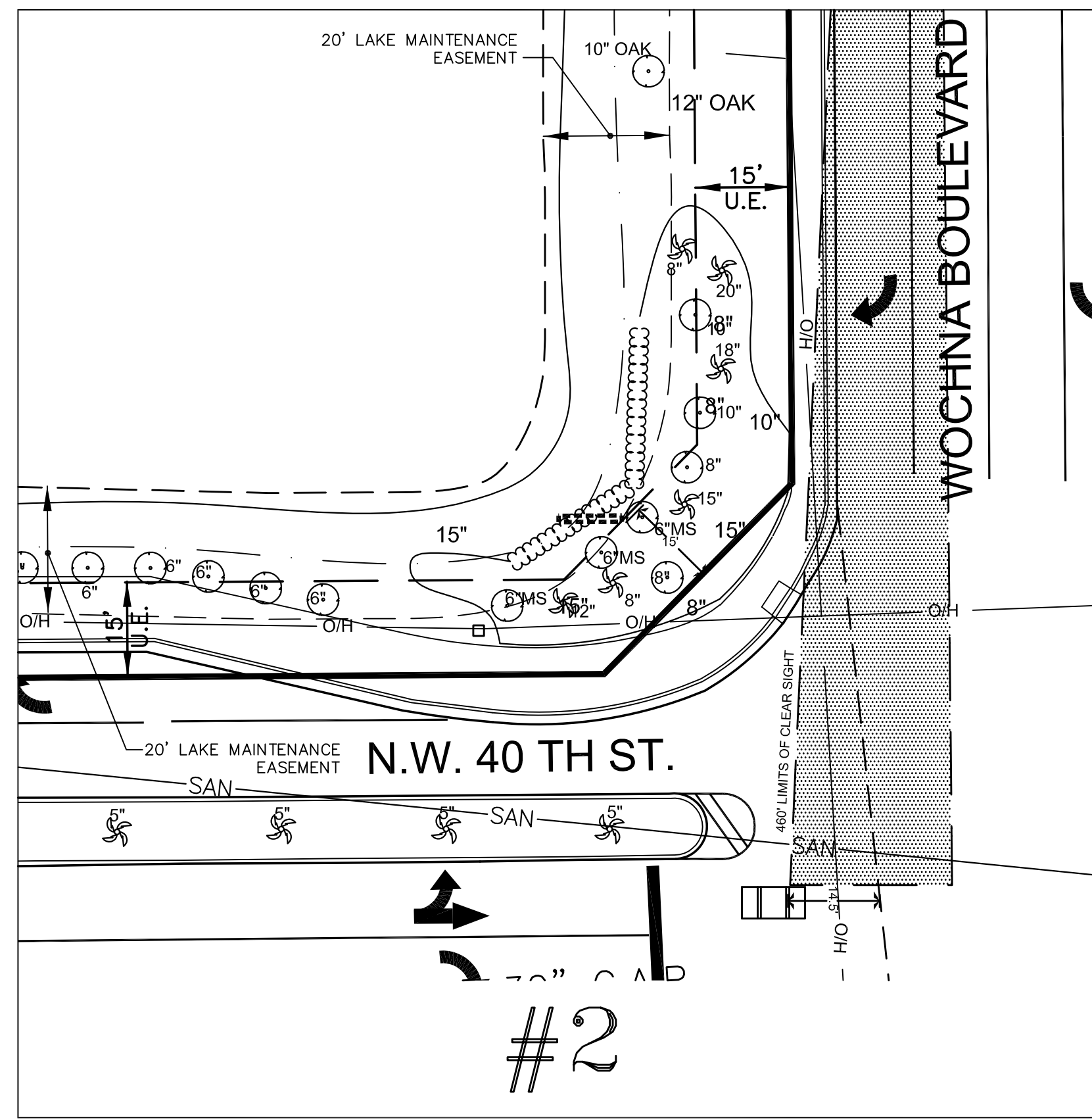
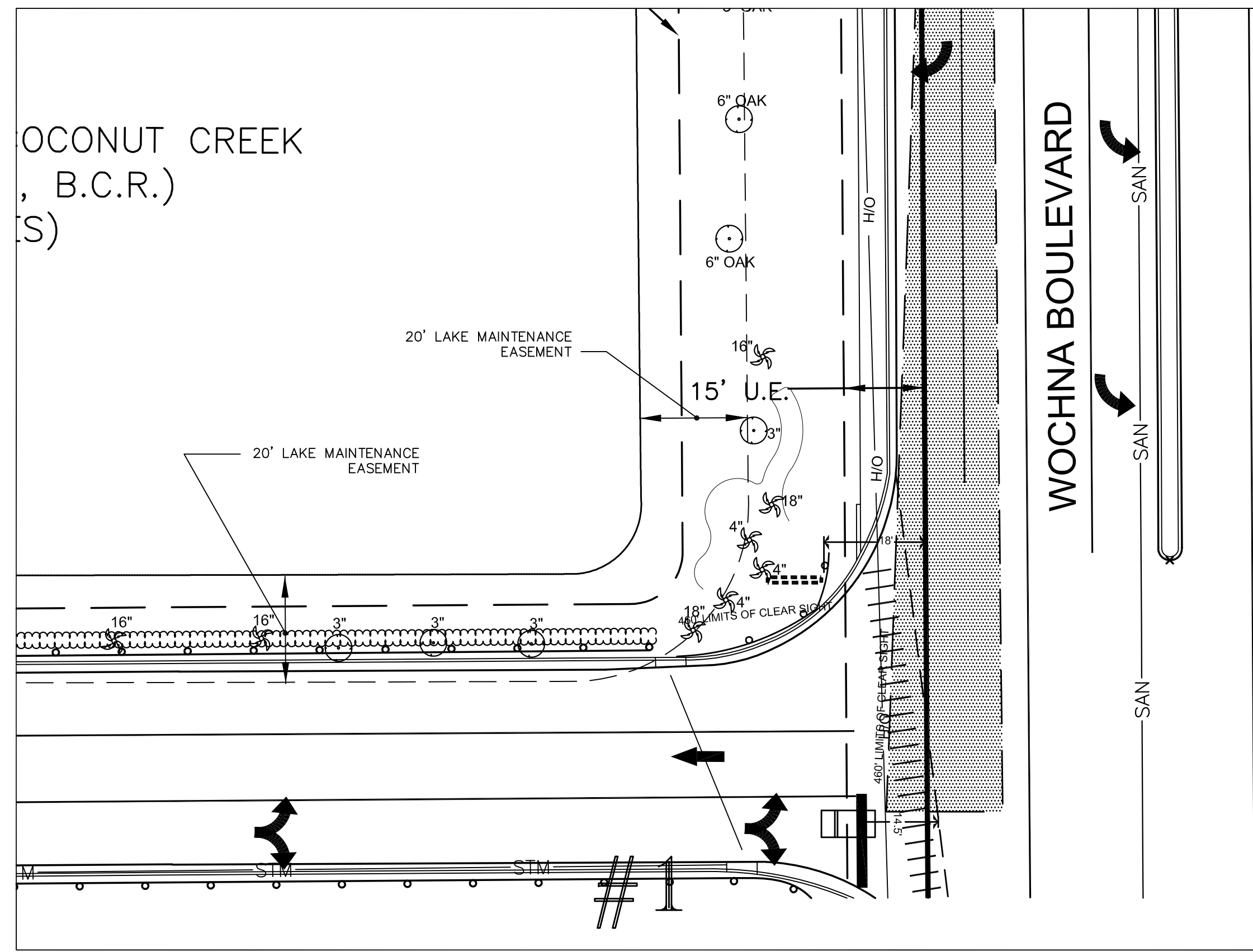
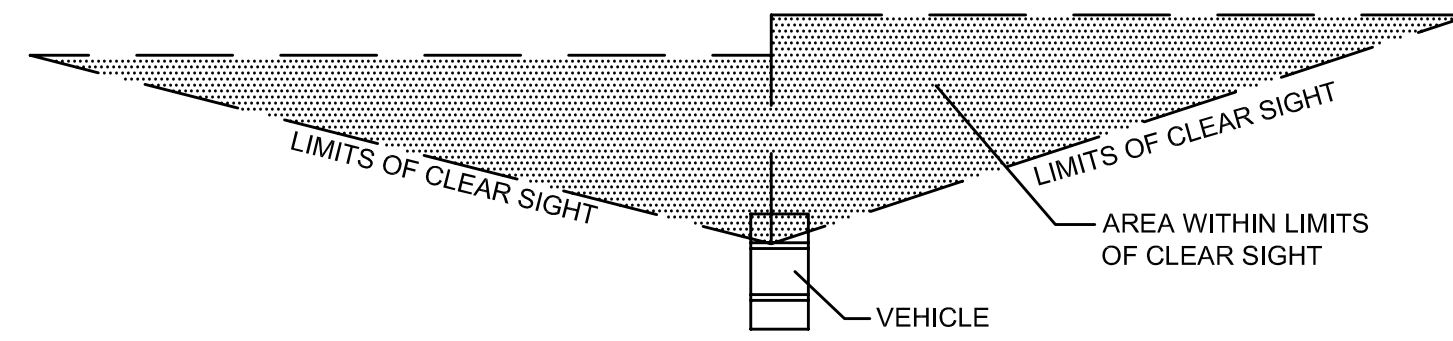


COCONUT CREEK  
(S)  
(B.C.R.)



SIGHT LINE LEGEND

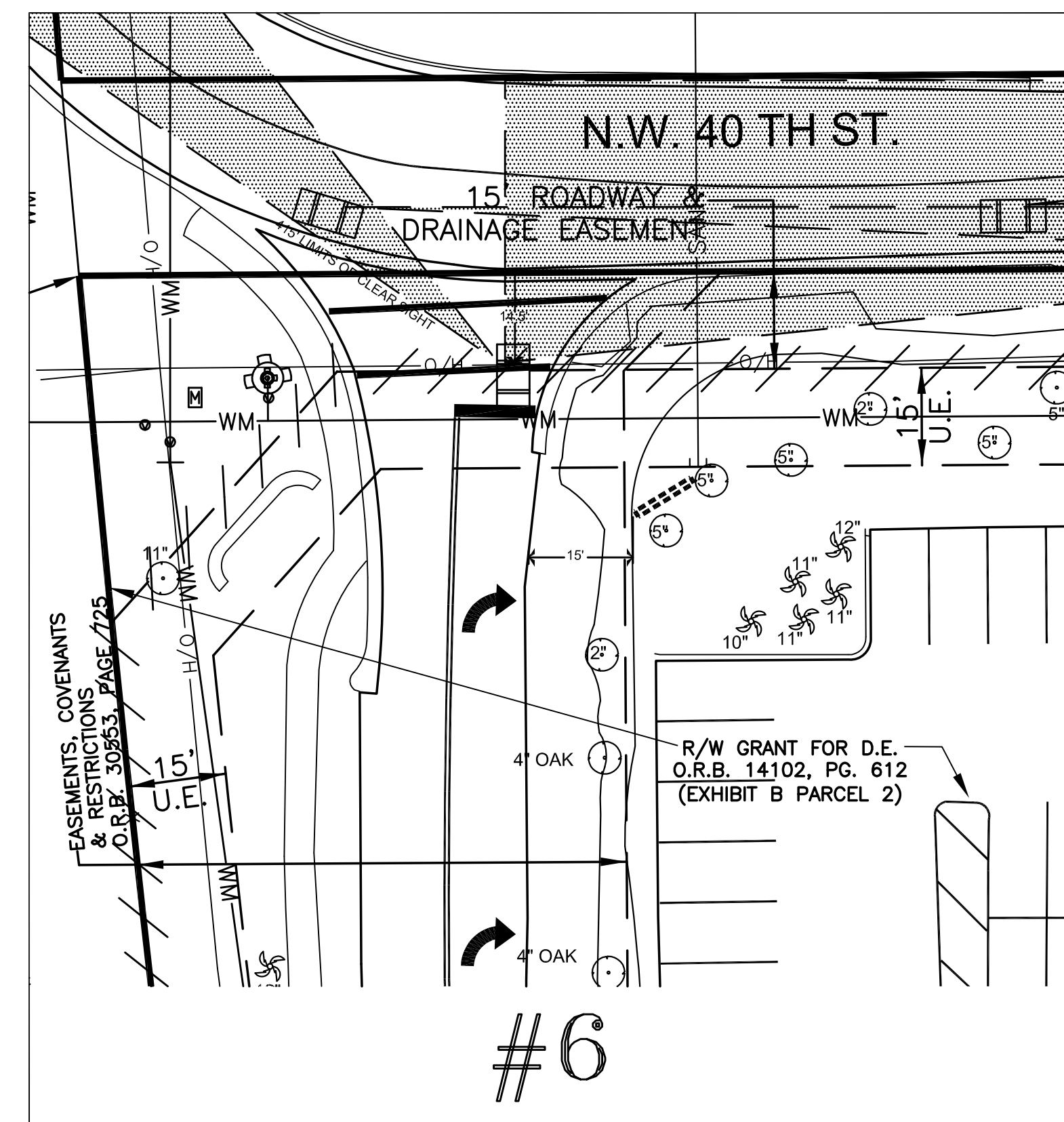
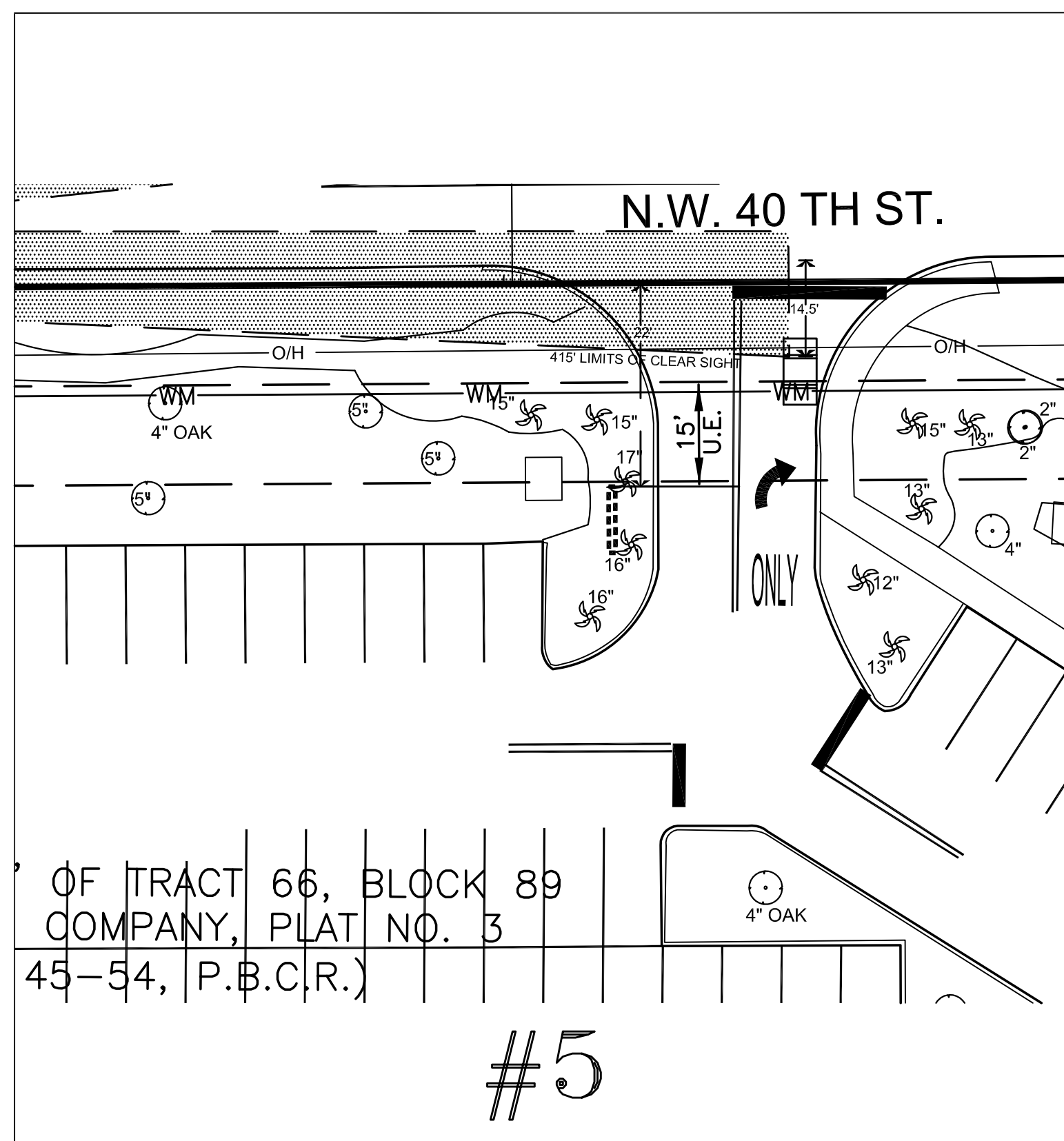
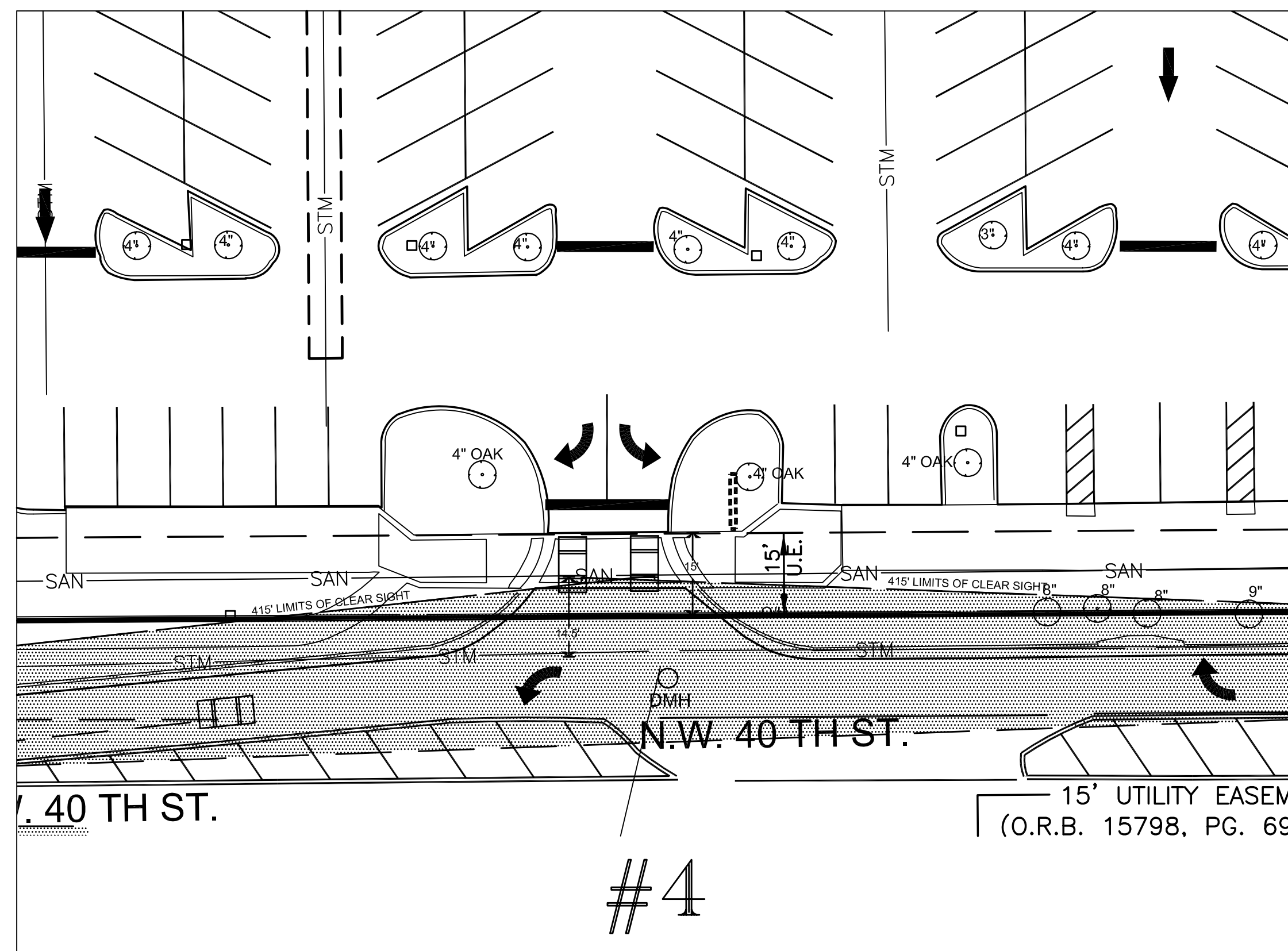


SIGHT LINE DATA (ALONG 40TH ST)

SIGHT LINE DATA BASED ON:  
FDOT STANDARD INDEX 546  
2 LANE 2 WAY FLARED  
DESIGN SPEED: 35MPH  
SIGHT DISTANCE REQUIRED: 415'

SIGHT LINE DATA (ALONG 54TH ST/WOCHNA BLVD)

SIGHT LINE DATA BASED ON:  
FDOT STANDARD INDEX 546  
4 LANE DIVIDED (MEDIAN LESS THAN 22')  
DESIGN SPEED: 35MPH  
SIGHT DISTANCE REQUIRED: 460'



**KEITH and SCHNARS, P.A.**  
ENGINEERS, PLANNERS, SURVEYORS  
LB 1337  
6500 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FL 33309-2132 (954)776-1616

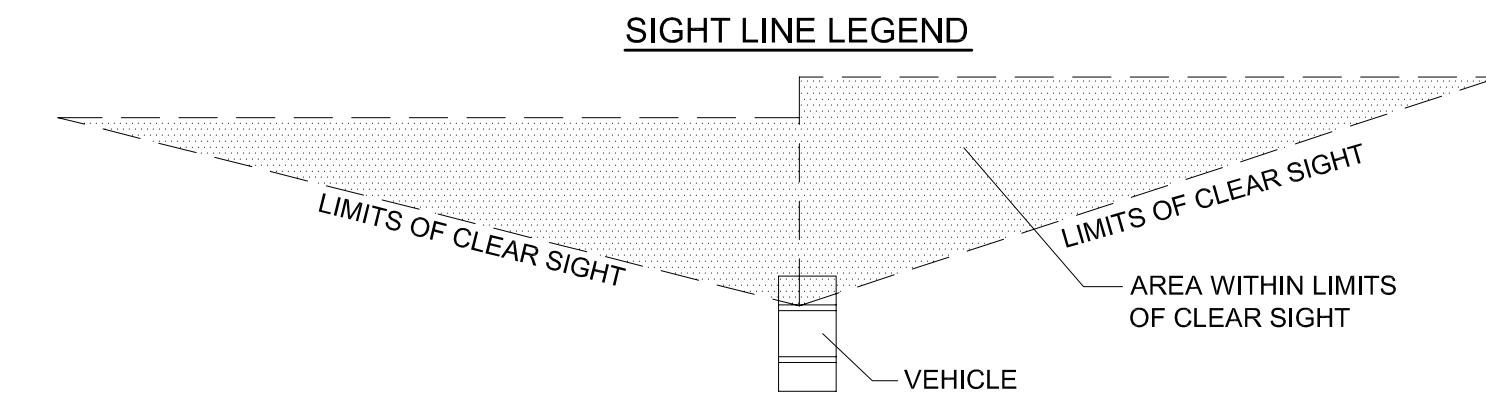
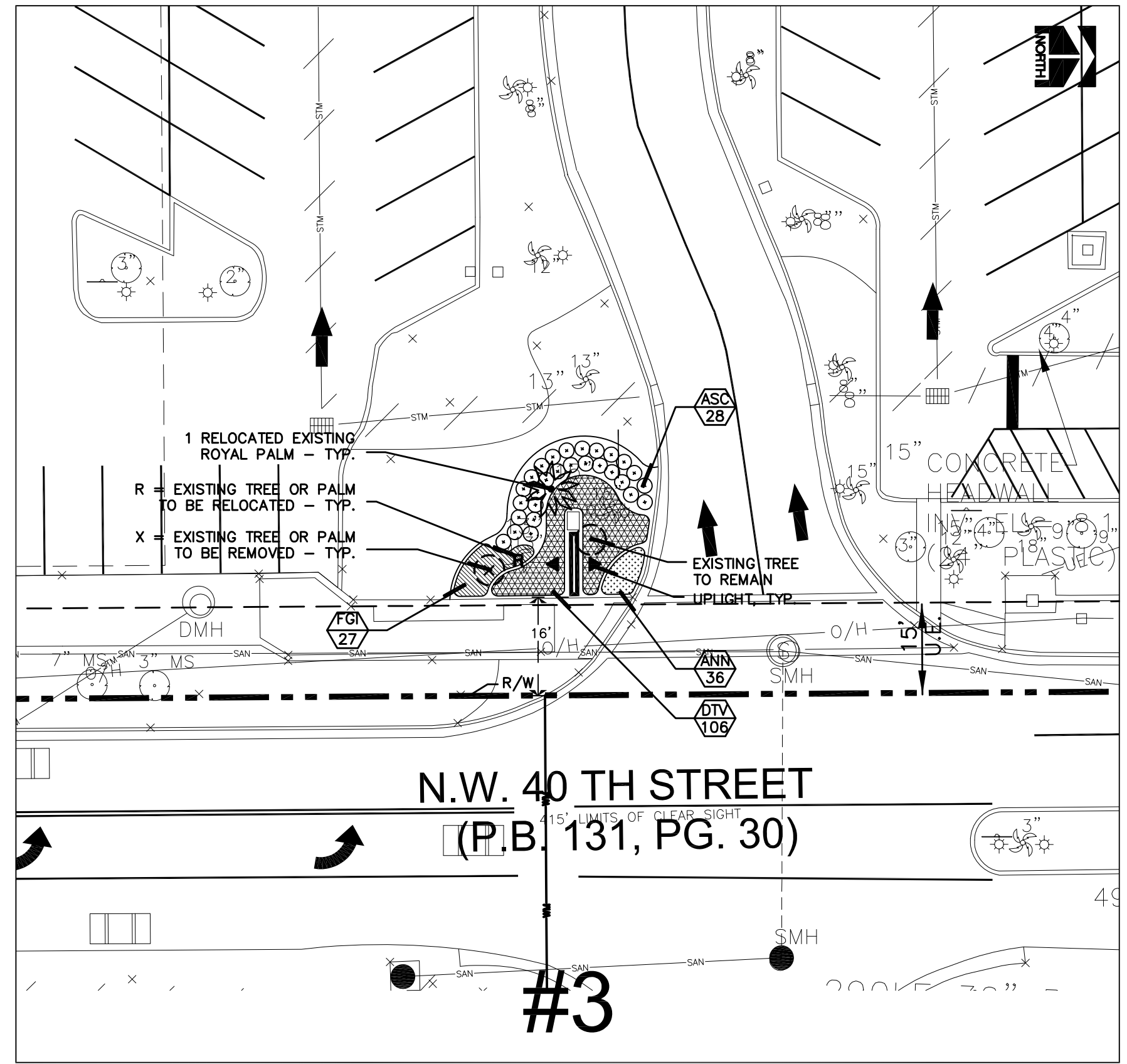
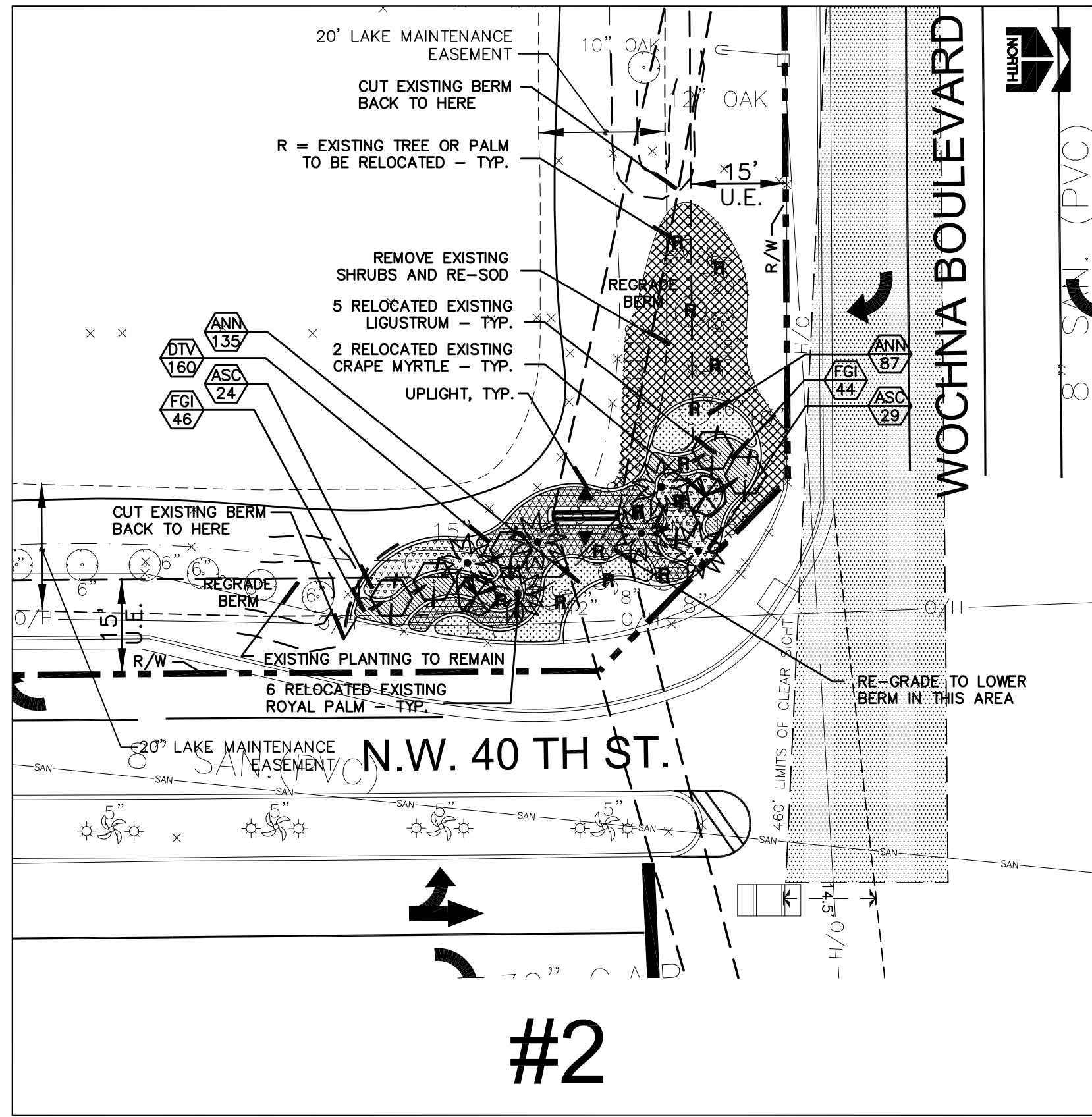
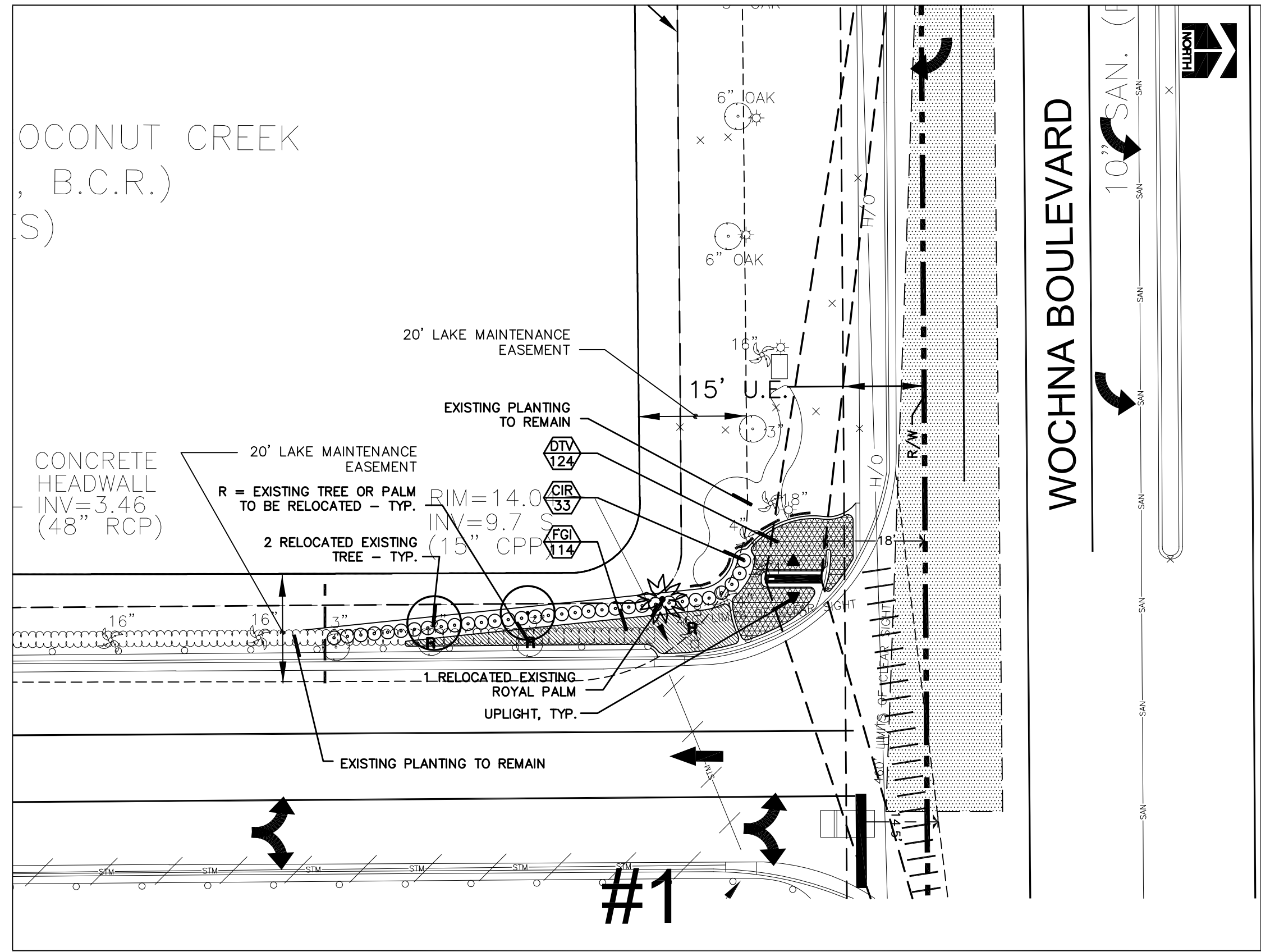
DATE	REVISIONS
1/07/10	REVISED PER CITY COMMENTS

DATE	09/01/2009
SCALE	1"=20'
FIELD BOOK	N/A
DRAWN BY	JV
CHECKED BY	RKK

MASTER SIGN PLAN  
SEMINOLE COCONUT CREEK CASINO

TRACT "B", TRACT "C", TRACT "D", TRACT "E" AND TRACT "F",  
COMMERCE CENTER OF COCONUT CREEK, P.B. 131, PG. 30, B.C.R., FLORIDA  
TOGETHER WITH: TRACT 65 AND A PORTION OF TRACT 66, BLOCK 89,  
"PALM BEACH FARMS COMPANY PLAT NO. 3", P.B. 2, PGS. 45-54, P.B.C.R., FLORIDA.  
CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA.

SHEET NO.	1
OF	1 SHEETS
PROJECT NO.	17094C



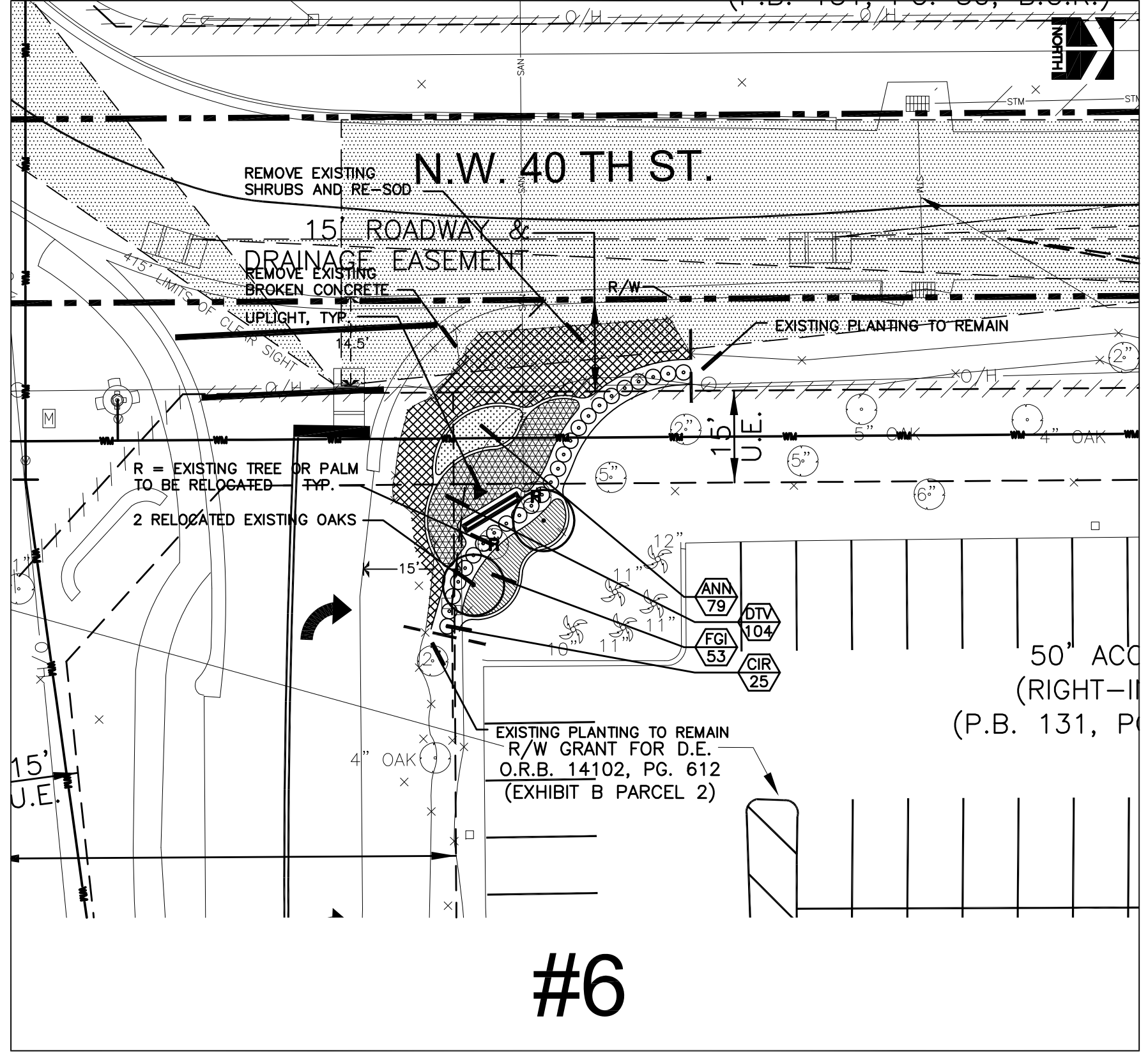
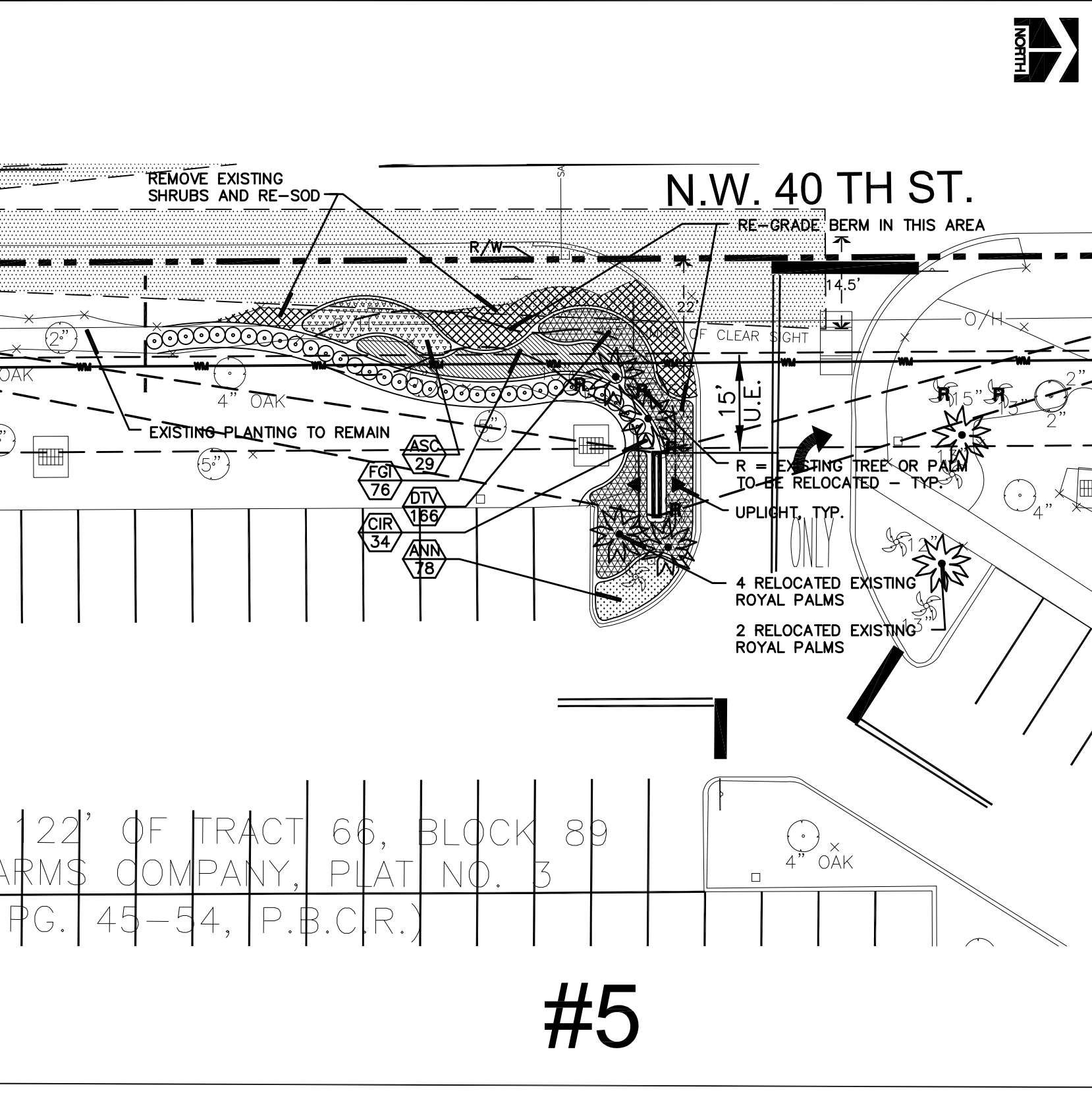
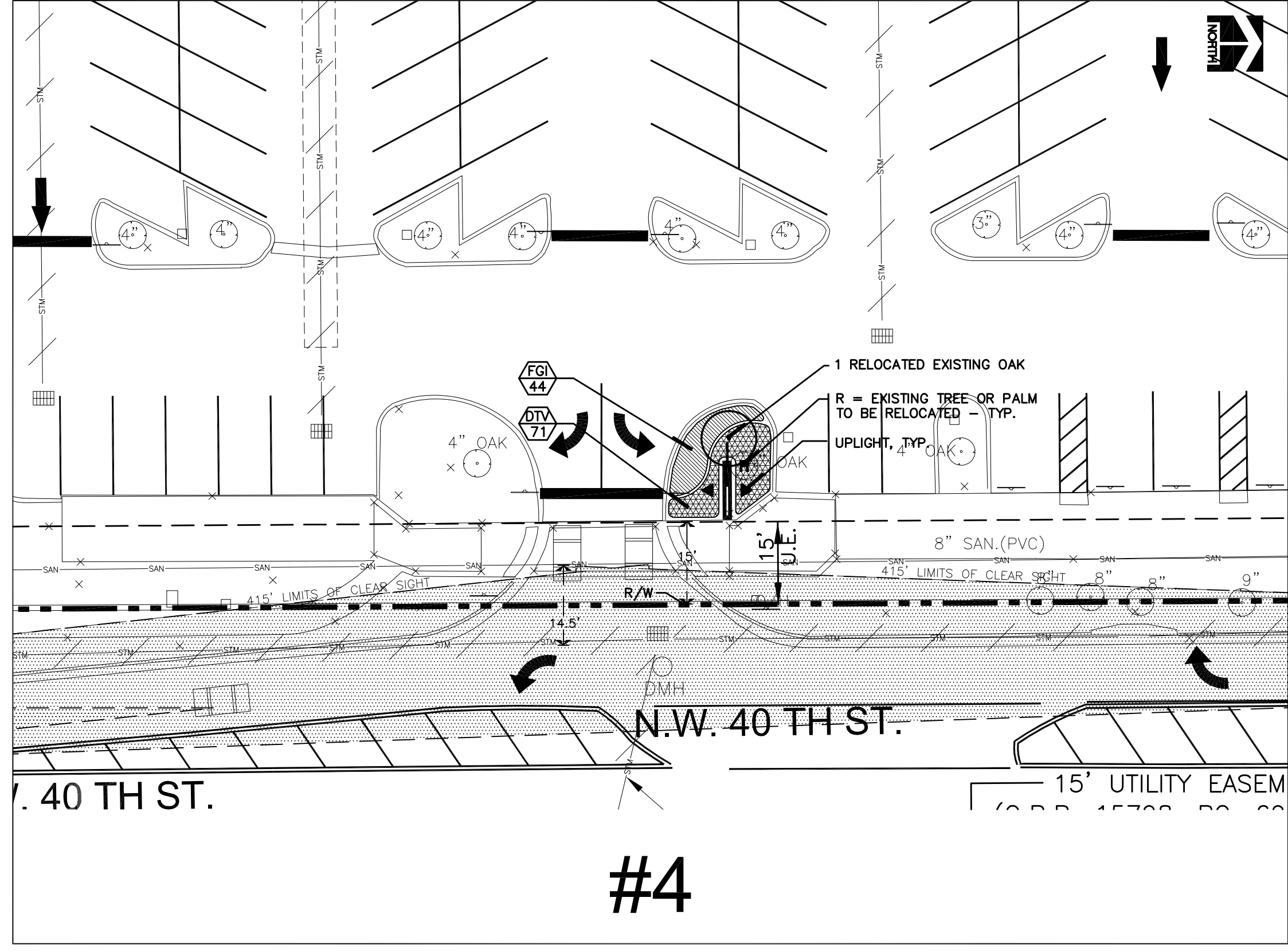
**SIGHT LINE DATA (ALONG 40TH ST)**

SIGHT LINE DATA BASED ON:  
 FDOT STANDARD INDEX 546  
 2 LANE 2 WAY FLARED  
 DESIGN SPEED: 35MPH  
 SIGHT DISTANCE REQUIRED: 415'

**SIGHT LINE DATA (ALONG 54TH ST/WOCHNA BLVD)**

SIGHT LINE DATA BASED ON:  
 FDOT STANDARD INDEX 546  
 4 LANE DIVIDED (MEDIAN LESS THAN 22')  
 DESIGN SPEED: 35MPH  
 SIGHT DISTANCE REQUIRED: 460'

- NOTES:**
- EXISTING WOOD SIGNS SHALL BE REMOVED.
  - REMOVE ALL EXISTING SHRUBS IN AREAS INDICATED BY NEW SHRUB BEDS, HEDGES, OR SIGN INSTALLATION LOCATIONS.
  - REPLACE ALL SOD DAMAGED DURING TREE AND PALM RELOCATION AND SIGN INSTALLATION -- EXCEPT IN THOSE AREAS COVERED BY NEW SHRUB BEDS OR HEDGES.
  - FILL VOIDS LEFT AFTER TREE AND PALM RELOCATION WITH SOIL MIX AND RE-SOD THOSE AREAS NOT COVERED BY NEW SHRUB BEDS OR HEDGES.
  - ADJUST IRRIGATION HEADS FOR FULL HEAD TO HEAD COVERAGE OF NEWLY PLANTED AREAS. PLACE HEADS SO THAT WATER DOES NOT HIT SIGNS. ADD ADDITIONAL HEADS IF NECESSARY.
  - SPRAY HEADS SHALL BE ATTACHED TO RISERS WHERE NECESSARY -- ADJUST HEIGHTS OF SPRAY HEADS ACCORDING TO PLANT HEIGHT. RISERS SHALL BE PAINTED BLACK. SEE DETAIL SHEETS FOR NOTES AND DETAILS.



DATE	REVISIONS
1/07/10	1 REVISED PER CITY COMMENTS

DATE	NOVEMBER 9, 2009
SCALE	1" = 20'
DESIGNED BY	JRA
DRAWN BY	JRA
CHECKED BY	JRA

**COCONUT CREEK CASINO  
 MARKETPLACE SIGNAGE PLAN  
 BROWARD COUNTY, FLORIDA  
 CITY OF COCONUT CREEK**

SHEET NO.	<b>L-1</b>
PROJECT NO.	<b>17796.25</b>

C. MICHAEL OLIVER  
 FLORIDA REG. NO. 0000354  
 (FOR THE FIRM)

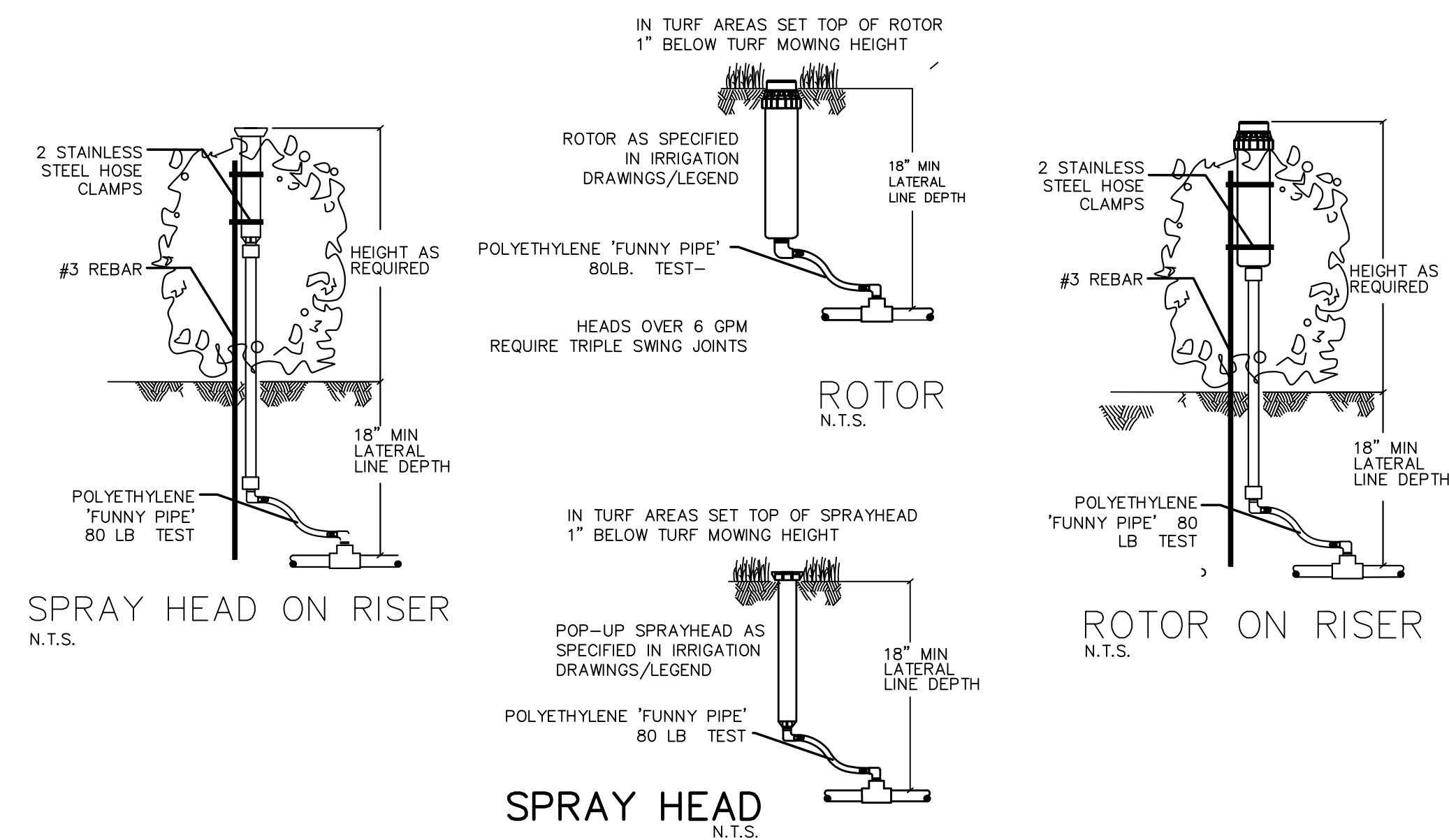


GENERAL NOTES

- 1) THE CONTRACTOR SHALL HAVE THE PLAN SET ON SITE AT ALL TIMES.
- 2) THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS OPERATIONS WITH OTHER CONSTRUCTION ACTIVITIES TO AVOID PAVEMENT CUTTING OR OTHER CONFLICTS. NO PAVEMENT CUTS SHALL BE MADE WITHOUT THE PRIOR WRITTEN CONSENT OF THE CITY OF COCONUT CREEK. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING INLETS FROM SOIL, DEBRIS, ETC., WITH APPROPRIATE EROSION CONTROL DEVICES AT NO ADDITIONAL COSTS.
- 3) DURING LANDSCAPE AND IRRIGATION WORK, CONTRACTOR SHALL KEEP PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE DAILY. CONTRACTOR SHALL PROPERLY DISPOSE OF EXCAVATED MATERIAL OFF-SITE. THE SITE SHALL BE KEPT NEAT AND ORDERLY AT ALL TIMES.
- 4) CONTRACTOR IS RESPONSIBLE FOR SAFETY ON SITE FOR EMPLOYEES AND THE PUBLIC.
- 5) THE CONTRACTOR SHALL PROTECT ALL EXISTING VEGETATION (UNLESS OTHERWISE SPECIFIED) AND ALL SITE IMPROVEMENTS WITHIN THE PROJECT LIMITS. PRIOR TO CONSTRUCTION, PLACE BARRICADES 5 FEET OUTSIDE THE DRIPLINE OF TREES/PALMS. BARRICADES SHALL REMAIN UNTIL FINAL ACCEPTANCE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF BARRICADES. NO MACHINERY SHALL OPERATE WITHIN 5' OF THE DRIPLINE OF ANY EXISTING TREE/PALM. HAND DIG ALL INSTALLATIONS WITHIN 5' OF EXISTING MATERIALS. TREES/PALMS IMMEDIATELY ADJACENT TO BUT OUTSIDE OF THE PROPERTY LINE OR R/W SHALL NOT BE IMPACTED. IF THE EXISTING LANDSCAPE MATERIAL OR SITE IMPROVEMENTS ARE IMPACTED DURING IRRIGATION INSTALLATION THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPLACEMENTS AND ALL ASPECTS OF REMEDIATION. ALL IMPACTED MATERIAL SHALL BE REPLACED WITH ITEMS OF SIMILAR SIZE AND VALUE, AND SHALL BE SATISFACTORY TO THE OWNER'S REPRESENTATIVE. THE COST OF THE REMEDIATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 6) AT THE END OF THE PROJECT, CONTRACTOR SHALL RESTORE THE STAGING AREA TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST.

UTILITIES NOTES

- 1) THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THERE ARE NO CONFLICTS WITH ABOVE OR BELOW GROUND UTILITIES PRIOR TO WORK.
- 2) THESE PLANS ARE FOR THE INSTALLATION OF PROPOSED IRRIGATION SYSTEM. ALL UTILITIES, BUILDINGS AND SITE IMPROVEMENTS SHOWN ARE FOR REFERENCE PURPOSES ONLY. THE EXACT LOCATION OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR AND UTILITY OWNER, EXPOSING THE SUBJECT FACILITY IF NECESSARY.
- 3) THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. (PHONE NUMBER 1-800-432-4770) AND ALL OTHER APPROPRIATE UTILITIES COMPANIES TWO WORKING DAYS PRIOR TO WORK IN ORDER TO LOCATE UTILITIES. THE CONTRACTOR SHALL BE PRESENT WHILE UTILITIES ARE BEING LOCATED.
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY EXISTING UTILITIES CAUSED BY HIS WORK. DETERMINE LOCATION OF UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY WORK AND PERFORM WORK IN A MANNER THAT WILL AVOID POSSIBLE DAMAGE.
- 5) THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851, "PROTECTION OF UNDERGROUND GAS PIPE LINES" AND FLORIDA STATUTE 556 "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY". CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES FOUND IN THE FIELD.



IRRIGATION NOTES:

- 1) THE SCOPE OF WORK IS SHOWN IN THIS PLAN SET, AS AMENDED BY CONTRACT DOCUMENTS. THESE PLANS HAVE BEEN DESIGNED TO MEET OR EXCEED THE FLORIDA BUILDING CODE APPENDIX F AND THE FLORIDA IRRIGATION SOCIETY STANDARDS AND SPECIFICATIONS FOR TURF AND LANDSCAPE IRRIGATION SYSTEMS, FOURTH EDITION, FIRST PRINTING (JANUARY 1, 2002). THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING AND PROPOSED SITE CONDITIONS PRIOR TO CONSTRUCTION. ANY COSTS OR REQUIREMENTS NECESSARY FOR FINAL ACCEPTANCE SHALL BE CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED.
- 2) THIS IS A CLOCK START SYSTEM WITH A PRESSURIZED WATER SUPPLY. CONNECTIONS SHALL BE ACCORDING TO THE CITY OF COCONUT CREEK ENGINEERING STANDARDS AND CODE REQUIREMENTS. A LICENSED ELECTRICIAN SHALL PERFORM ALL ELECTRICAL HOOK UPS.
- 3) THE CONTRACTOR SHALL PREPARE AS-BUILT PLANS. THE CONTRACTOR SHALL HAVE THE AS-BUILT PLAN SET ON SITE AT ALL TIMES. THE AS-BUILTS SHALL BE SUBMITTED TO THE CITY OF COCONUT CREEK. IF REQUIRED, AS-BUILTS SHALL CLEARLY INDICATE THE ACTUAL INSTALLATION AND LOCATION OF ALL MAIN LINES, LATERAL LINES, SLEEVING, VALVES, AND EQUIPMENT WITH AT LEAST TWO DIMENSIONS FROM FIXED LANDMARKS.
- 4) ALL IRRIGATION MATERIAL AND EQUIPMENT AND INSTALLATION SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER'S REPRESENTATIVE. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UNUSED AND SHALL BE INSTALLED PER PLANS AND MANUFACTURERS INSTRUCTIONS. DO NOT MAKE SUBSTITUTIONS WITHOUT WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- 5) ANY CHANGES IN CONTROL WIRE THROUGHOUT THE PROJECT SHALL BE INSTALLED INSIDE GRAY PVC CONDUIT WITH APPROPRIATE SWEEPS (ELBOWS ARE NOT ACCEPTABLE). INSTALL TYPE UF 600 VOLT 12 GAUGE SINGLE CONDUCTOR SOLID COPPER IRRIGATION CONTROL WIRE WITH COLOR CODED INSULATION. EACH VALVE SHALL HAVE A DIFFERENT COLOR WIRE. INSTALL CONTROL WIRE BELOW THE MAINLINE. WHITE SHALL BE USED FOR THE COMMON. BLUE SHALL BE USED FOR THE EXTRA WIRES. WIRE SPLICES SHALL BE MADE ONLY INSIDE A POLYMER CONCRETE BOX. ALL WIRE CONNECTIONS SHALL BE MADE WITH SILICONE-FILLED WATERPROOF WIRE CONNECTORS. THE COMMON WIRE SHALL RUN TO ALL ENDS OF THE MAINLINE AND EXTRA INDIVIDUAL CONTROL WIRES, BLUE IN COLOR, SHALL BE INSTALLED FOR FUTURE USE FROM THE CONTROLLER TO THE VALVES AS NOTED IN THE PLANS.
- 6) REPLACEMENT, OR NEW IRRIGATION SPRAY HEADS SHALL BE TORO 570Z SERIUS PRESSURE COMPENSATING WITH COLOR CODED, MATCHED PRECIPITATION RATE NOZZLES. REPLACEMENT, OR NEW IRRIGATION ROTOR HEADS SHALL BE TORO 800 SERIUS. SET SPRAY HEADS 6" AND ROTORS 12" AWAY FROM EDGE OF SIDEWALKS, CURBS AND PAVED AREAS. SET ALL HEADS 12" AWAY FROM ANY STRUCTURES.
- 7) VALVES: ALL ELECTRIC REMOTE CONTROL VALVES SHALL BE PEB VALVES. A WATERPROOF LABEL SHALL BE ATTACHED TO EACH VALVE SHOWING THE STATION NUMBER. ISOLATION VALVES SHALL BE NIBCO P-619-RW WITH MECHANICAL JOINT RESTRAINTS TO SECURELY FASTEN TO THE PVC PIPE. ZONE GATE VALVES SHALL BE NIBCO T-311-Y, AS NECESSARY.
- 8) BOXES: ALL BOXES INSTALLED SHALL BE POLYMER CONCRETE. NO BOXES SHALL BE INSTALLED IN SIDEWALKS, PAVEMENT OR PAVERS. SEE DETAIL FOR BOX INSTALLATION REQUIREMENTS, AS NECESSARY.
- 9) PIPE AND FITTINGS: IRRIGATION MAINLINE PIPE SHALL BE CLASS 200 GASKETED AND IRRIGATION LATERAL PIPE SHALL BE SCHEDULE 40. POLY VINYL CHLORIDE (PVC) AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-1785-99, TYPE 1120, 1220, AS NECESSARY.

PVC FITTINGS UP TO 3" SHALL BE SCHEDULE 40. PVC FITTINGS OVER 3" SHALL BE SCHEDULE 80, PER ASTM D-2466-01 AND ASTM D-2467-01. SOLVENT WELD JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM D-2855. PVC PURPLE COLORED PRIMER IS REQUIRED AND SHALL MEET ASTM F-656 AND PVC CEMENT SHALL MEET ASTM D-2564.

ALL GASKETED PVC PIPE SHALL HAVE DUCTILE IRON FITTINGS PER ASTM A-536 WITH INTEGRALLY CAST JOINT RESTRAINED CLAMPS TO SECURELY FASTEN TO THE PVC PIPE (WWW.HARCOFITTINGS.COM) OR APPROVED EQUAL. RUBBER RINGS SHALL CONFORM TO ASTM D-1869 AND F-477. MECHANICAL JOINT RESTRAINTS SHALL BE INSTALLED ON ALL GASKETED PVC PIPE AT ALL LINE ENDS, MAINLINE ISOLATION VALVES, REDUCTIONS AND DIRECTION CHANGES PER DETAILS AND MANUFACTURERS INSTRUCTIONS. ADDITIONAL ADJACENT JOINTS MAY ALSO REQUIRE RESTRAINTS. DO NOT COVER FITTINGS WITH CONCRETE.

NO MALE ADAPTERS SHALL BE INSTALLED. ALL THREADED PVC SHALL BE SCHEDULE 80, PER ASTM D-2484-99. AT THREADED JOINTS BETWEEN PVC AND METAL PIPES, THE METAL SHALL CONTAIN THE FEMALE END AND THE PVC SHALL BE THE MALE END.

10) TRENCHING, SLEEVING AND PIPE INSTALLATION: ALL IRRIGATION PIPE UP TO 2 1/2" DIAMETER SHALL BE 18" DEEP. ALL IRRIGATION PIPE 3" TO 5" DIAMETER SHALL BE 24" DEEP. ALL IRRIGATION PIPE 6" DIAMETER OR LARGER SHALL BE 36" DEEP. DEPTH SHALL BE MEASURED AT THE TOP OF THE PIPE.

PIPE LAYOUT ON PLANS MAY, OR MAY NOT BE SHOWN. ROUTE PIPES TO AVOID ANY PROPOSED OR EXISTING TREES/PALMS. ALL EQUIPMENT SHALL BE INSTALLED IN PERVIOUS AREAS (EXCEPT WHERE SLEEVING IS INDICATED) WITHIN PROPERTY LINES OR ROAD R/W WHERE APPROPRIATE.

11) MAINLINE LEAKAGE TEST SHALL BE PERFORMED FOR FINAL ACCEPTANCE. PROCEDURE SHALL BE: ALL MAINLINE PIPING SHALL UNDERGO A LEAKAGE TEST AT 100 PSI FOR 2 HOURS AFTER THE PIPE HAS BEEN INSTALLED AND PARTIALLY BACKFILLED, LEAVING ALL JOINTS EXPOSED.

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 3 WORKING DAYS PRIOR TO TESTING. ALL PUMPS, GAUGES, AND MEASURING DEVICES SHALL BE FURNISHED, INSTALLED, AND OPERATED BY THE CONTRACTOR. THE OWNER'S REPRESENTATIVE SHALL APPROVE ALL ITEMS AND THEIR INSTALLATION.

AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE, THE TWO HOUR MAINLINE LEAKAGE TEST SHALL BEGIN. WATER SHALL BE SUPPLIED TO THE MAINLINE DURING THE TEST PERIOD AS REQUIRED TO MAINTAIN THE TEST PRESSURE AT 100 PSI. THE QUANTITY USED SHALL BE MEASURED BY PUMPING FROM A CALIBRATED CONTAINER.

LEAKAGE IS DEFINED AS THE QUANTITY OF WATER THAT MUST BE SUPPLIED INTO THE MAINLINE TO MAINTAIN THE TEST PRESSURE AT 100 PSI.

THE ALLOWABLE LIMITS FOR LEAKAGE OF GASKETED PVC SHALL BE DETERMINED BY THE FOLLOWING FORMULA:

$$L = (ND/P)7400$$

L = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR  
 N = NUMBER OF JOINTS  
 D = NOMINAL PIPE DIAMETER, IN INCHES  
 P = AVERAGE TEST PRESSURE IN PSI

SOLVENT WELDED PVC MAINLINE SHALL HAVE NO LEAKAGE.

WHERE LEAKAGE EXCEEDS THE ALLOWABLE LIMIT THE CONTRACTOR SHALL REMOVE AND RECONSTRUCT AS MUCH OF THE WORK AS IS NECESSARY IN ORDER TO LOCATE AND REPAIR THE PROBLEM. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE CORRECTION OF DEFECTIVE WORK OR TO DAMAGE TO OTHER PARTS OF THE WORK RESULTING FROM SUCH CORRECTIVE WORK. AFTER ALL NECESSARY REPLACEMENTS AND CORRECTIONS THE TEST SHALL BE REPEATED UNTIL SATISFACTORY TO THE OWNER'S REPRESENTATIVE.

12) PRESSURE TEST: AFTER SATISFACTORY COMPLETION OF THE MAINLINE LEAKAGE TEST EACH ZONE SHALL BE SUBJECTED TO A PRESSURE TEST AT THE CRITICAL HEAD. THE PRESSURE SHALL NOT BE MORE THAN PLUS OR MINUS 10% OF THE DESIGN OPERATING PRESSURE OF THE SYSTEM. THE DESIGN OPERATING PRESSURE OF THIS SYSTEM IS 30 PSI FOR SPRAY ZONES AND 40 PSI FOR ROTOR ZONES.

13) OPERATION AND COVERAGE TEST: ALL IRRIGATED AREAS SHALL PROVIDE 100% HEAD TO HEAD COVERAGE FROM A FULLY AUTOMATIC IRRIGATION SYSTEM WITH A RAIN SENSOR. THE RAIN SENSOR SHALL BE INSTALLED TO PREVENT ACTIVATION OF RAIN SENSOR BY ADJACENT HEADS. CONTRACTOR SHALL ADJUST IRRIGATION HEAD HEIGHT, ARC AND RADIUS SETTINGS FOR PROPER COVERAGE AND TO PREVENT OVER SPRAY ON ANY PAVEMENT, WALKS, OR STRUCTURES.

14) THE CONTRACTOR SHALL GUARANTEE IN WRITING ALL WORK AND MATERIALS PERFORMED BY HIM ON THE IRRIGATION SYSTEM FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE.

15) THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE. AT LEAST 2 WEEKS PRIOR TO FINAL INSPECTION FOR PURPOSES OF ATTENDING INSPECTION. FINAL ACCEPTANCE WILL NOT BE GIVEN BY THE OWNER'S REPRESENTATIVE UNTIL:

- A) COMPLETE INSTALLATION PER PLAN SET
- B) SITE CLEAN UP AND RESTORATION
- C) SUBMISSION OF WRITTEN GUARANTEE
- D) SUBMISSION OF AS-BUILTS
- E) SUBMISSION OF EQUIPMENT MANUFACTURER'S GUARANTEES AND OWNERS MANUALS
- F) COMPLETION OF TRAINING FOR MAINTENANCE PERSONNEL.
- G) COMPLETION OF PUNCH LIST ITEMS
- H) FINAL WALK THROUGH BY THE OWNER'S REPRESENTATIVE

**KEITH and SCHNARS, P.A.**  
ENGINEERS, PLANNERS, SURVEYORS  
LCC-000137

6500 NORTH ANDREWS AVENUE, FORT LAUDERDALE, FL 33309-2132 (954)776-1616

DATE	REVISIONS
1/07/10	REVISED PER CITY COMMENTS

DATE	11/09/2009
SCALE	1" = 20'
DESIGNED BY	JRA
DRAWN BY	JRA
CHECKED BY	JRA

**COCONUT CREEK CASINO  
MARKETPLACE SIGNAGE PLAN**  
CITY OF COCONUT CREEK  
BROWARD COUNTY, FLORIDA

**IRRIGATION NOTES AND DETAILS**

SHEET NO.	<b>L-3</b>
PROJECT NO.	<b>17796.25</b>

C. MICHAEL OLIVER  
FLORIDA REG. NO. 0000354  
(FOR THE FIRM)