

ORLANDO HEALTH LAKE BEAUTY PARK CONSTRUCTION DOCUMENTS

PREPARED FOR:



MARCH 11, 2011

Prepared By:



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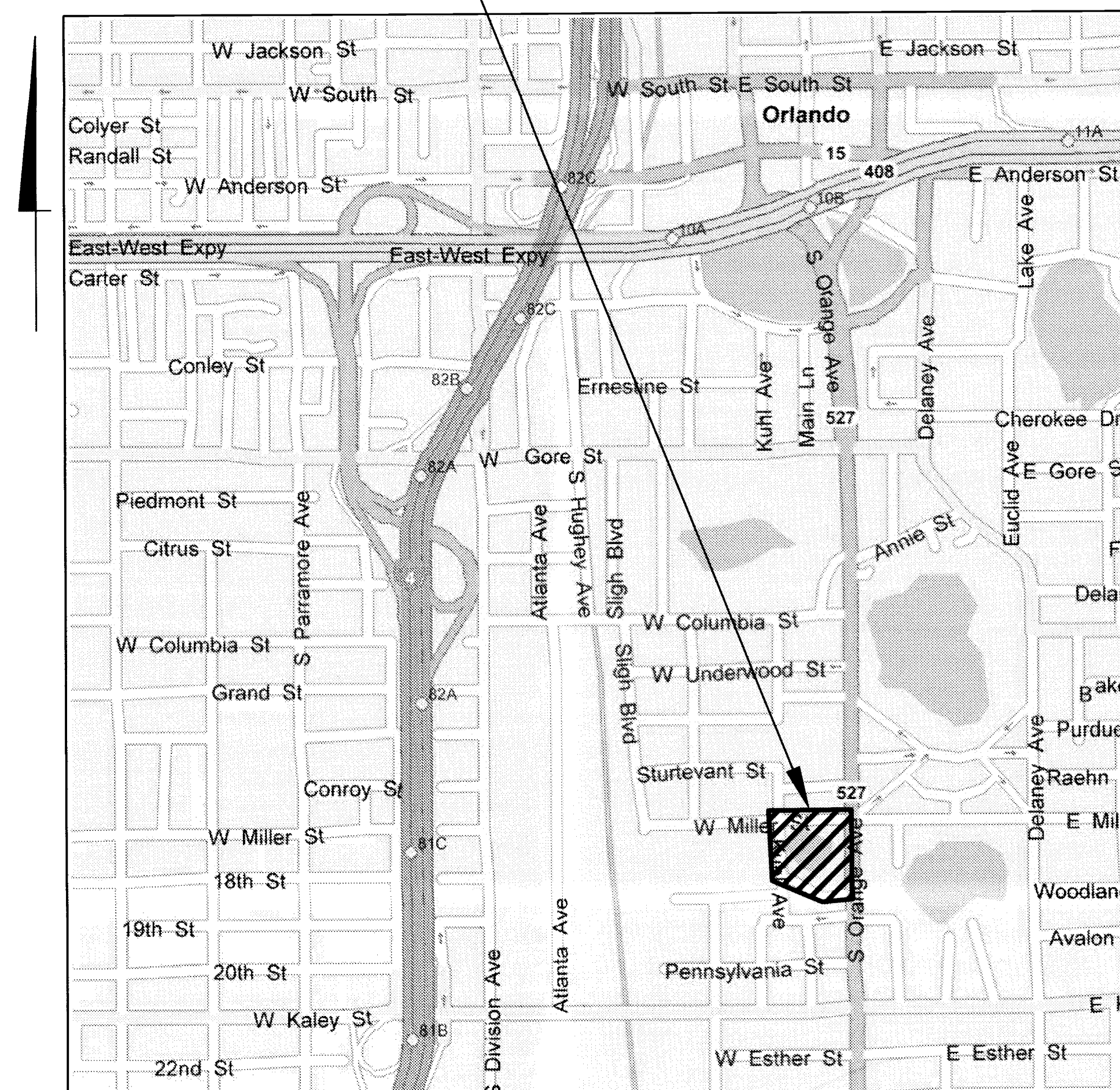
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GAI Consultants, Inc.
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150 North Orange Avenue, Suite 200
Orlando, Florida 32801
(407) 843-6552
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PROJECT LOCATION



LOCATION MAP
CITY OF ORLANDO, FLORIDA

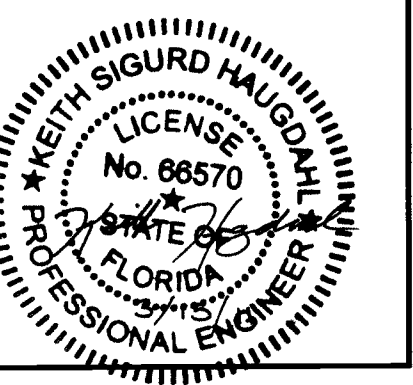
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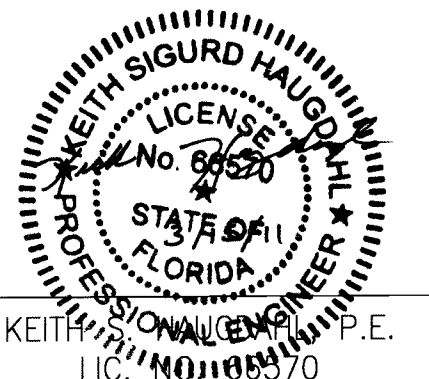


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ABBREVIATIONS:

OUC - ORLANDO UTILITIES COMMISSION

FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION

FOR STANDARD ABBREVIATIONS REFER TO THE FDOT STANDARD INDEX 001, UNLESS OTHERWISE NOTED ON PLANS.

UTILITY PROVIDERS:

POTABLE WATER:
ORLANDO UTILITIES COMMISSION
500 S ORANGE AVE
ORLANDO, FLORIDA 32801
PH: (407) 423-9101
FAX: (407) 236-9628

FIRE PROTECTION:
CITY OF ORLANDO FIRE DEPARTMENT
400 S ORANGE AVENUE
ORLANDO, FLORIDA 32801
PH: (407) 246-2390
FAX: (407) 246-2512

STORMWATER:
ST. JOHNS RIVER WATER
MANAGEMENT DISTRICT
975 KELLER ROAD
ORLANDO, FL 32714-1618
PH: (407) 659-4830
FAX: (407) 659-4805

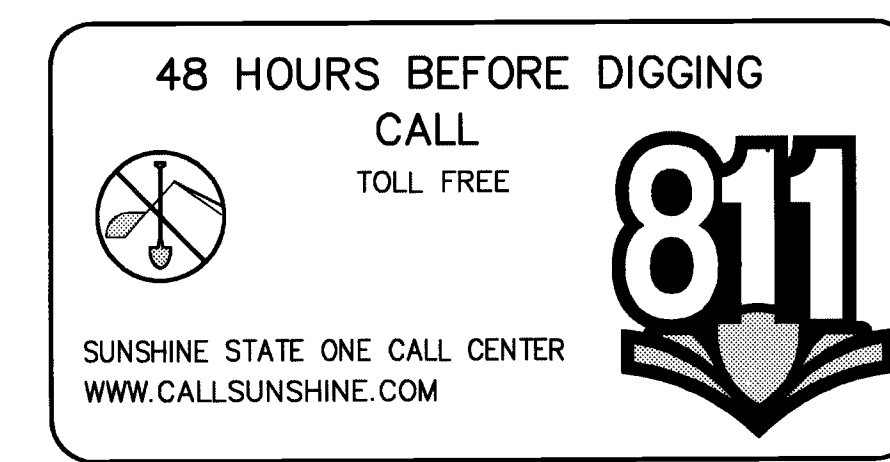
WASTEWATER:
CITY OF ORLANDO
BUREAU OF WASTEWATER
5100 LB McLEOD ROAD
ORLANDO, FL 32811
PH: (407) 246-2670
FAX: (407) 246-3862

ELECTRIC:
O.U.C. ELECTRIC
6003 PERSHING AVENUE
ORLANDO, FL 32822
PH: (407) 384-4173

COMMUNICATIONS, OTHER:
BRIGHT HOUSE NETWORKS
3787 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810
PH: (407) 291-2500
FAX: (407) 578-0979

TELEPHONE:
BELLSOUTH TELECOMMUNICATIONS
450 NORTH GOLDENROD ROAD
ORLANDO, FL 32807
PH: (407) 273-5084
FAX: (407) 277-7241

NATURAL GAS:
TECO/PEOPLES GAS
600 WEST ROBINSON STREET
ORLANDO, FL 32801
PH: (407) 420-6607
FAX: (407) 839-0768



STORMWATER SYSTEM NOTES:

- 1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY INVERTS AND LOCATIONS OF THE EXISTING STORM SEWER SYSTEM PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY DISCREPANCY IN INVERTS AND LOCATIONS EXIST.
- 2. UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL CONSTRUCTION MATERIALS, METHODS, AND TESTING ARE TO CONFORM TO THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ITS CURRENT SUPPLEMENTS AND STANDARD DRAWING INDEX, AND CITY OF ORLANDO REQUIREMENTS AND SPECIFICATIONS, AS APPLICABLE.
- 3. ALL DISTURBED SODDED AREAS SHALL BE RESTORED TO ITS ORIGINAL CONDITION. ALL UNPAVED AND UNSODDED AREAS DISTURBED DURING THE CONSTRUCTION, SHALL BE SODDED IN ACCORDANCE WITH SECTION 575 OF FDOT STANDARD SPECIFICATIONS.
- 4. SURFACE DRAINAGE SHALL BE DIVERTED FROM EXCAVATIONS, AND STOCKPILE AREAS SUCH THAT PROPER SITE CONDITIONS ARE MAINTAINED AND EROSION DUE TO RAIN RUN-OFF OR SEEPAGE IS PREVENTED OR MINIMIZED.
- 5. STANDARD INDEXES REFER TO THE LATEST EDITION OF FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS".

SELECTIVE DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL EXERCISE SPECIAL PRECAUTIONS FOR THE PROTECTION AND PRESERVATION OF TREES, SOD, FENCES, ETC., SITUATED WITHIN THE VICINITY OF THE PROJECT AREA OR TREE SAVE AREAS BUT NOT DIRECTLY WITHIN EXCAVATION AND/OR FILL LIMITS. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE AS A RESULT OF HIS OPERATIONS. TREES WHICH ARE SEVERELY DAMAGED OR DESTROYED OUTSIDE THE CLEARING LIMITS WILL BE PAID FOR BY THE CONTRACTOR IN WHOLE. MINOR DAMAGE INFLICTED TO TREE BRANCHES AND TRUNKS WILL BE REPAIRED, AT NO COST TO THE OWNER.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING TREE PROTECTION FENCING AROUND TREE SAVE AREAS WITHIN THE SITE, AS DIRECTED BY THE CITY ENGINEER. THE TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF ORLANDO STANDARDS AND REQUIREMENTS.

GOVERNING SPECIFICATIONS:

- A. GRADING, DRAINAGE AND PAVING MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH FDOT AND/OR CITY OF ORLANDO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS SUPPLEMENTED BY DETAILS AND NOTES ON PLANS.
- B. SANITARY SEWER SYSTEM MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF ORLANDO PUBLIC WORKS DEPARTMENT, ENGINEERING STANDARDS MANUAL.
- C. WATER DISTRIBUTION SYSTEM MATERIALS AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH ORLANDO UTILITIES COMMISSION'S STANDARDS AND SPECIFICATIONS EXCEPT AS NOTED ON PLANS.

EXCAVATION, GRADING, AND PAVING NOTES:

- 1. SEE GENERAL NOTES.
- 2. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE OWNER'S ENGINEER, OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
- 4. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOIL TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOILS REPORT.
- 5. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- 6. CONTRACTOR SHALL SAW-CUT EXIST. PAVEMENT TO PROVIDE CLEAN JOINT. REMOVE EXISTING PAVEMENT FOR NEW INSTALLATION AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- 7. REFER TO THE LATEST EDITION OF FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL FDOT TYPE CURBING AND GUTTER CALLED FOR IN THESE PLANS.
- 8. CONTRACTOR TO PROVIDE A 1/2" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER WHERE CONCRETE ABUTS BUILDINGS, OTHER CONCRETE, OR OTHER RIGID MATERIALS.
- 9. ALL PAVEMENT MARKINGS SHALL BE MADE WITH PERMANENT THERMOPLASTIC AND SHALL CONFORM TO FDOT STANDARDS.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED AT CONTRACTOR'S EXPENSE BY A SURVEYOR SELECTED BY THE OWNER.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE SOILS ENGINEER FOR APPLICABLE TESTING UPON COMPLETION OF THE WORK. THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
- 12. TESTING AND INSPECTION TO BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LABORATORY, UNDER THE SUPERVISION OF A REGISTERED ENGINEER, SPECIALIZING IN SOILS ENGINEERING. PERFORM ALL TESTING NECESSARY AS REQUIRED BY THESE PLANS AND THE VARIOUS PERMITTING AGENCIES. THE CONTRACTOR WILL PAY THE COSTS OF ALL INITIAL TESTING. SHOULD RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET SPECIFICATIONS, THE CONTRACTOR SHALL BEAR ALL COSTS OF SAID RETESTING.

GENERAL NOTES:

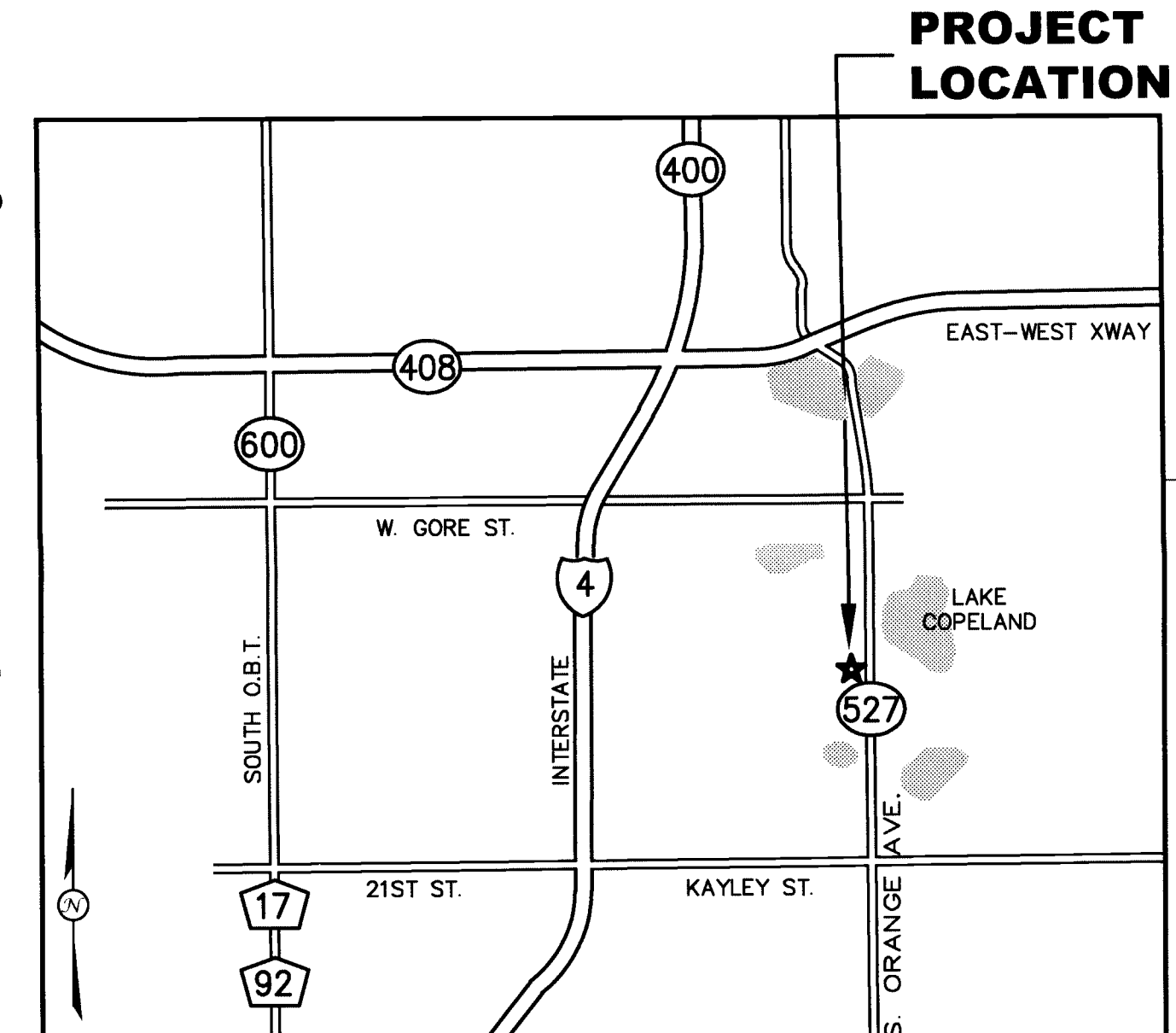
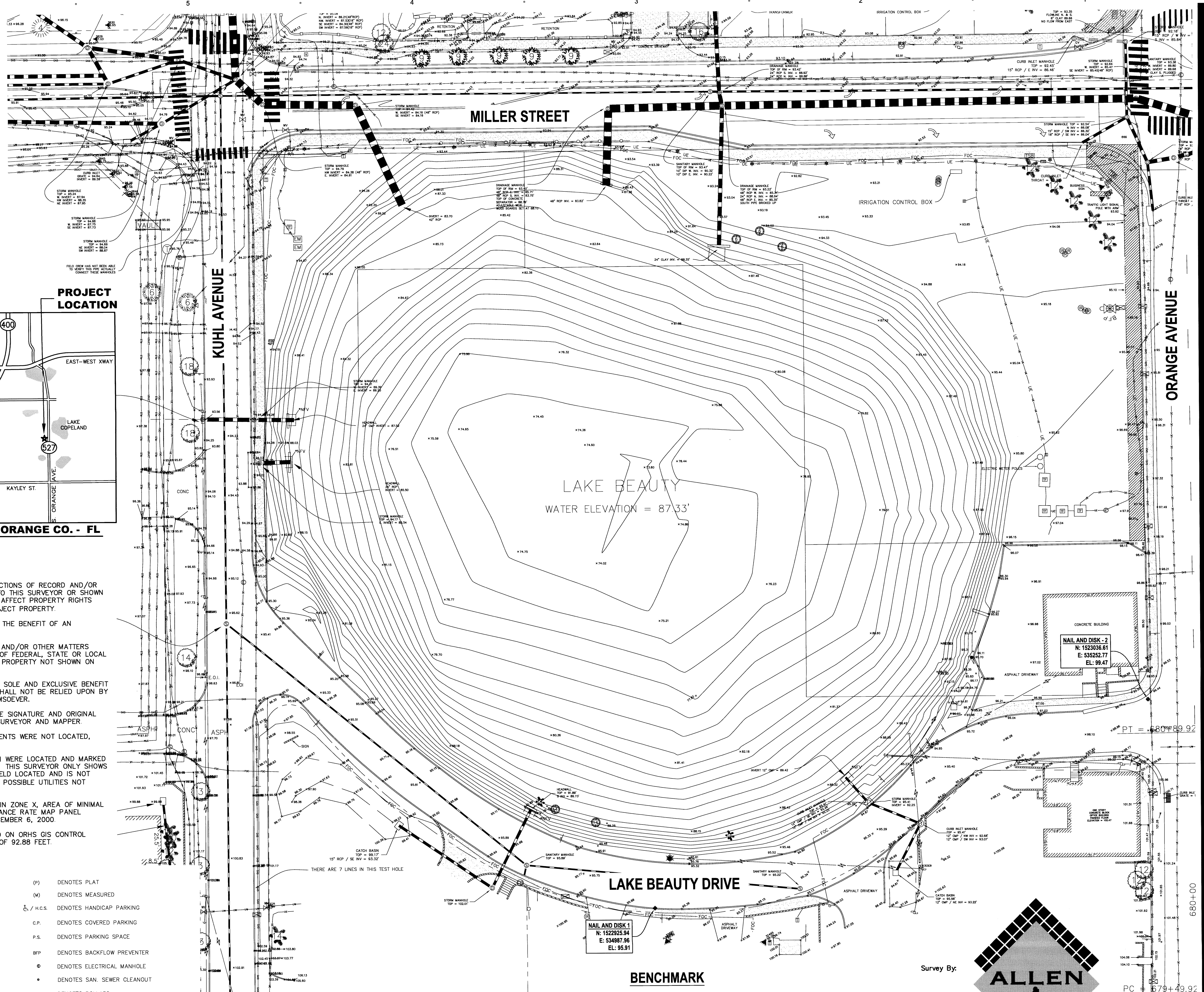
- 1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL FIELD LOCATE, VERIFY, AND FURTHER IDENTIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (IDENTIFIED ON THE PLANS OR NOT) AFFECTING ANY COMPONENT OF WORK HEREIN PRIOR TO THE START OF ANY CONSTRUCTION. DISCREPANCIES, CONFLICTS, OR POTENTIAL DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER PRIOR TO THE START OF ANY CONSTRUCTION.
- 2. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO THE START OF ANY CONSTRUCTION. SPECIAL ATTENTION SHALL BE TAKEN WITH THOSE EXISTING UTILITIES, STRUCTURES OR FEATURES (IDENTIFIED ON THE PLANS OR NOT) THAT MAY POTENTIALLY CONFLICT OR CROSS PROPOSED DESIGN COMPONENTS (I.E., STORM SEWERS, SANITARY SEWERS, WATER MAINS, EXFILTRATION, BUILDING FOUNDATIONS, ETC) AND ANY DISCREPANCIES, CONFLICTS, OR POTENTIAL DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER PRIOR TO THE START OF ANY CONSTRUCTION. ANY COST ASSOCIATED WITH THE LOCATION OF EXISTING UTILITIES AS OUTLINE ABOVE IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. ERRORS OR OMISSIONS - DO NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION DISCOVERED IN THE CONTRACT DOCUMENTS, BUT IMMEDIATELY NOTIFY THE ENGINEER OF SUCH DISCOVERY. THE ENGINEER WILL THEN MAKE SUCH CORRECTIONS AND INTERPRETATIONS AS NECESSARY TO REFLECT THE ACTUAL SPIRIT AND INTENT OF THE CONTRACT DOCUMENTS.
- 4. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE UTILITY COMPANIES PRIOR TO CONSTRUCTION TO OBTAIN FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT.
- 6. ALL UNDERGROUND UTILITIES MUST BE IN PLACE AND PASS ALL TESTING OR INSPECTION REQUIREMENTS PRIOR TO BASE & SURFACE IMPROVEMENT CONSTRUCTION.
- 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS AND TESTING ACCORDING TO AGENCY REQUIREMENTS.
- 8. ALL WORK PERFORMED SHALL COMPLY WITH THE CODES, STANDARDS, REGULATIONS AND REQUIREMENTS OF THE CITY OF ORLANDO LAND DEVELOPMENT CODE AND ENGINEERING STANDARDS, PLUS THE CURRENT EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND UTILITY CONSTRUCTION, PLUS THE REGULATIONS AND ORDINANCES OF THE VARIOUS OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- 9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO THE OWNER'S ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION COULD RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. THE ENGINEER'S REVIEW OF THE SHOP DRAWINGS IS FOR CONFORMITY WITH THE CONTRACT DOCUMENTS AND DOES NOT INCLUDE INDEPTH CHECK FOR THE ABILITY OF THE CONTRACTOR TO PERFORM THE WORK IN A SAFE OR EFFICIENT MANNER. THE ENGINEER'S REVIEW OF THE SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DIMENSIONAL ACCURACY TO ENSURE FIELD FIT AND CONFORMITY OF THE VARIOUS COMPONENTS AND DETAILS.
- 10. CONTRACTOR SHALL KEEP ENGINEER ADVISED OF CONSTRUCTION SCHEDULE CHANGES SO THAT ENGINEER CAN SCHEDULE PERIODIC SITE VISITS AT APPROPRIATE TIMES IN ORDER TO PROVIDE CONSTRUCTION CERTIFICATIONS TO JURISDICTIONAL AGENCIES.
- 11. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
- 12. SAFETY:
 - A. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL.
 - B. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.
 - C. THE MAINTENANCE OF TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE CITY OF ORLANDO TRANSPORTATION ENGINEERING BUREAU AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - D. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
 - E. CONTACT THE CITY OF ORLANDO (SCOTT WALKER AT 407-246-2372) FOR MANAGEMENT OF TRAFFIC CONTROL REVIEW PRIOR AND DURING CONSTRUCTION.
- 13. CONFORMITY WITH WORK - IN THE EVENT THAT THE ENGINEER FINDS THAT THE CONTRACTOR HAS USED MATERIAL OR PRODUCED A FINISH PRODUCT THAT IS NOT REASONABLY CLOSE IN CONFORMITY WITH THE CONTRACT DOCUMENTS, I.E. UNSATISFACTORY PRODUCT, THE CONTRACTOR SHALL REMOVE AND REPLACE OR OTHERWISE CORRECT THE WORK OR MATERIALS AT NO EXPENSE TO THE OWNER.
- 14. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH THE OWNER'S ENGINEER WITH COMPLETE "AS-BUILT" INFORMATION CERTIFIED BY A FLORIDA REGISTERED PROFESSIONAL. ONCE PROVIDED WITH "AS-BUILTS" AND AFTER OBSERVATION OF THE ENTIRE PROJECT, THE ENGINEER DETERMINES THAT THE CONTRACTOR HAS SATISFACTORILY COMPLETED THE WORK, THE ENGINEER WILL GIVE THE CONTRACTOR WRITTEN NOTICE OF FINAL ACCEPTANCE.
- 15. PIPE LENGTHS SHOWN ARE APPROXIMATE AND SHOULD BE ORDERED FROM FIELD STAKED QUANTITIES. PLAN PIPE LENGTHS ARE MEASURED FROM CONNECTION POINT TO END OF THE LINES FOR WATER LINES AND CENTER OF THE STRUCTURE FOR SANITARY SEWER LINES.
- 16. CONTRACTOR MUST REVIEW "MAINTENANCE OF UTILITY SERVICE PLAN" WITH ENGINEER AND UTILITY COMPANY PRIOR TO START OF UTILITY CONSTRUCTION.

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SURVEY NOTES
 THIS IS NOT A BOUNDARY SURVEY.
 THERE MAY BE EASEMENTS AND RESTRICTIONS OF RECORD AND/OR PRIVATE AGREEMENTS NOT FURNISHED TO THIS SURVEYOR OR SHOWN ON THIS BOUNDARY SURVEY THAT MAY AFFECT PROPERTY RIGHTS AND/OR LAND USE RIGHTS OF THE SUBJECT PROPERTY.
 THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF AN INSURANCE TITLE COMMITMENT.
 THERE MAY BE ENVIRONMENTAL ISSUES AND/OR OTHER MATTERS REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL, STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.
 THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOMSOEVER.
 THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
 UNDERGROUND UTILITIES AND IMPROVEMENTS WERE NOT LOCATED, UNLESS SHOWN HEREON.
 UNDERGROUND UTILITIES SHOWN HEREON WERE LOCATED AND MARKED BY THE INDIVIDUAL UTILITY COMPANIES. THIS SURVEYOR ONLY SHOWS THESE ABOVE GROUND MARKINGS AS FIELD LOCATED AND IS NOT RESPONSIBLE FOR INACCURATE AND/OR POSSIBLE UTILITIES NOT SHOWN.
 SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA OF MINIMAL FLOODING, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0245 E, MAP DATE DECEMBER 6, 2000.
 ELEVATIONS SHOWN HEREON ARE BASED ON ORHS GIS CONTROL MONUMENT # 2 HAVING AN ELEVATION OF 92.88 FEET.
 (*NFV) NOT FIELD VERIFIED

LEGEND

| | | | |
|--|--------------------------------------|----------|----------------------------------|
| | DENOTES FIRE HYDRANT | (P) | DENOTES PLAT |
| | DENOTES WATER VALVE | (M) | DENOTES MEASURED |
| | DENOTES CONCRETE POWER POLE | H.C.S. | DENOTES HANDICAP PARKING |
| | DENOTES WOOD POWER POLE | C.P. | DENOTES COVERED PARKING |
| | DENOTES STORM MANHOLE | P.S. | DENOTES PARKING SPACE |
| | DENOTES SANITARY MANHOLE | BP | DENOTES BACKFLOW PREVENTER |
| | DENOTES CABLE BOX | E | DENOTES ELECTRICAL MANHOLE |
| | DENOTES GUY WIRE | SC | DENOTES SAN. SEWER CLEANOUT |
| | DENOTES MONITORING WELL | B | DENOTES BOLLARD |
| | DENOTES CATCH BASIN | F.O.C.M. | DENOTES FIBER OPTIC CABLE MARKER |
| | DENOTES OVER-HEAD-POWER | W.M. | DENOTES WATER METER |
| | DENOTES EDGE OF PAVEMENT | | |
| | DENOTES CONCRETE | | |
| | DENOTES SPOT ELEVATION | | |
| | DENOTES COMMUNICATION MANHOLE | | |
| | DENOTES SIGN | | |
| | DENOTES RECOVERED IRON ROD & CAP | | |
| | DENOTES RECOVERED CONCRETE MONUMENT | | |
| | DENOTES SET IRON ROD & CAP, LB #6723 | | |

BENCHMARK
 ELEVATIONS SHOWN HERE ON ARE BASED ON A CITY OF ORLANDO BENCH MARK, BEING A BOX CUT IN CURB AT MAIN HOSPITAL ON KUHL AVE, ELEVATION BEING 96.384. SAID BENCH MARK IS THE BASIS FOR THE ORHS GIS NETWORK. ELEVATIONS WERE ESTABLISHED IN 1995 AND SAID BENCH MARK HAS SINCE BEEN DESTROYED. THE DATUM OF SAID GIS NETWORK IS 0.59 FEET HIGHER THAN NAVD 88 PER NGS MONUMENT # E566 HAVING AN ELEVATION OF 92.28 FEET.

Survey By:

 16 EAST PLANT STREET
 WINTER GARDEN, FLORIDA 34787
 (407) 654-6355

FOR INFORMATION ONLY

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 Last Modified by: MICHAEL J. CURRY
 Last Printed on: 3/10/2011 4:00 PM

| DEMOLITION NOTES | |
|-----------------------|--|
| WATER | |
| ID | DESCRIPTION |
| 1.01 | FIRE HYDRANT TO REMAIN. |
| 1.02 | IRRIGATION AND CONTROLS TO BE REMOVED. |
| 1.03 | BFP TO REMAIN. CUT AND CAP IRRIGATION SERVICE. |
| 1.04 | WATER LINE, VALVE TO REMAIN. |
| SANITARY SEWER | |
| ID | DESCRIPTION |
| 2.01 | SANITARY STRUCTURE TO REMAIN. ADJUST TOP TO FINISHED GRADE. |
| 2.02 | SANITARY SEWER PIPE TO REMAIN. |
| UTILITIES | |
| ID | DESCRIPTION |
| 3.01 | ELECTRICAL MANHOLE TO REMAIN. ADJUST TOP TO FINISHED GRADE. |
| 3.02 | BURIED ELECTRIC TO REMAIN. |
| 3.03 | UTILITY POLE TO REMAIN. |
| 3.04 | UTILITY POLE AND GUY WIRES TO BE RELOCATED BY UTILITY COMPANY. |
| 3.05 | OVERHEAD ELECTRIC TO REMAIN. |
| 3.06 | LIGHT POLE TO BE REMOVED. |
| 3.07 | OVERHEAD ELECTRIC TO BE REMOVED BY UTILITY COMPANY. |
| 3.08 | CONTROL PANEL/OUTLET/METER TO BE RELOCATED. |
| 3.09 | CONTROL PANEL/OUTLET/METER TO REMAIN. |
| 3.10 | TRANSFORMER TO REMAIN. |
| 3.11 | UTILITY BOX TO REMAIN. ADJUST TOP TO FINISHED GRADE. |
| 3.12 | UTILITY BOX TO BE RELOCATED BY UTILITY COMPANY. |
| 3.13 | BURIED FIBER OPTIC CABLE TO REMAIN. |
| 3.14 | TRAFFIC SIGNAL BOX TO REMAIN. ADJUST COVER TO FINISHED GRADE. |
| 3.15 | TRAFFIC POLE TO REMAIN. |
| 3.16 | GAS LINE TO REMAIN. |
| 3.17 | ELECTRIC BOX TO REMAIN. ADJUST TOP TO FINISHED GRADE. |
| 3.18 | TELEPHONE RISER TO REMAIN. |
| STORM SEWER | |
| ID | DESCRIPTION |
| 4.01 | RCP STORM SEWER TO REMAIN. |
| 4.02 | RCP STORM SEWER TO BE REMOVED. |
| 4.03 | PORTIONS OF RCP TO REMAIN. ADJUST PER SHEET C2.20. |
| 4.04 | CLAY STORM SEWER TO BE REMOVED. CUT PER PLAN AND SLURRY FILL REMAINING PIPE SEGMENT. |
| 4.05 | CMP STORM SEWER TO REMAIN. |
| 4.06 | CMP STORM SEWER TO BE REMOVED. |
| 4.07 | HEADWALL TO BE REMOVED. |
| 4.08 | STORM STRUCTURE TO BE REMOVED. |
| 4.09 | STORM STRUCTURE TO REMAIN. ADJUST TOP TO FINISHED GRADE. |
| 4.10 | CONVERT STORM INLET TO MANHOLE TOP. |
| 4.11 | REMOVE INLET TOP. REPLACE PER SHEET C2.20. |
| SITE | |
| ID | DESCRIPTION |
| 5.01 | CURB/GUTTER TO REMAIN. |
| 5.02 | CURB/GUTTER TO BE REMOVED. |
| 5.03 | SIDEWALK TO BE REMOVED. |
| 5.04 | SIDEWALK TO REMAIN. |
| 5.05 | SIGN TO BE REMOVED. |
| 5.06 | FENCE/WALL/RAIL TO BE REMOVED. |
| 5.07 | SIGN AND LIGHTING TO REMAIN. |
| 5.08 | ASPHALT PAVEMENT AND BASE TO BE REMOVED. SAWCUT AT CONSTRUCTION LIMITS. |
| 5.09 | TREE TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION. |
| 5.10 | TREE TO BE SALVAGED. COORDINATE WITH OWNER FOR DISPOSITION. |
| MISCELLANEOUS | |
| ID | DESCRIPTION |
| 6.01 | RESERVED |
| 6.02 | RESERVED |

UTILITY PROVIDERS:

POTABLE WATER:
ORLANDO UTILITIES COMMISSION
 500 S ORANGE AVE
 ORLANDO, FLORIDA 32801
 PH: (407) 423-9101
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FIRE PROTECTION:
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 400 S ORANGE AVENUE
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 FAX: (407) 246-2512

STORMWATER:
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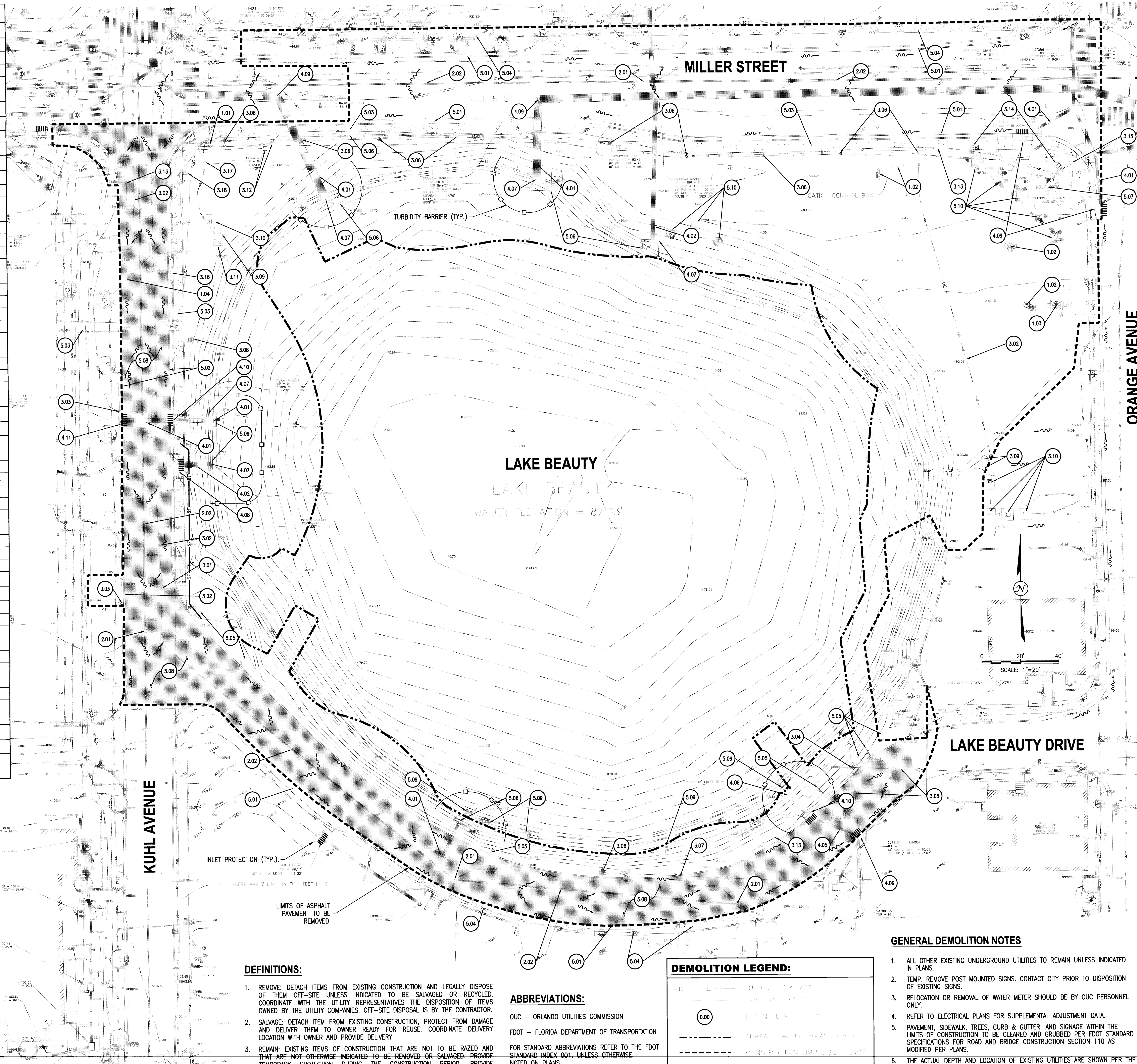
WASTEWATER:
CITY OF ORLANDO BUREAU OF WASTEWATER
 5100 LB McLeod ROAD
 ORLANDO, FL 32811
 PH: (407) 246-2670
 FAX: (407) 246-3862

ELECTRIC:
O.U.C. ELECTRIC
 6003 PERSHING AVENUE
 ORLANDO, FL 32822
 PH: (407) 384-4173

COMMUNICATIONS, OTHER:
BRIGHT HOUSE NETWORKS
 3767 ALL AMERICAN BOULEVARD
 ORLANDO, FLORIDA 32810
 PH: (407) 291-2500
 FAX: (407) 578-0979

TELEPHONE:
BELLSOUTH TELECOMMUNICATIONS
 450 NORTH GOLDENROD ROAD
 ORLANDO, FL 32807
 PH: (407) 273-5084
 FAX: (407) 277-7241

NATURAL GAS:
TECO/PEOPLES GAS
 600 WEST ROBINSON STREET
 ORLANDO, FL 32801
 PH: (407) 420-6607
 FAX: (407) 839-0788



- DEFINITIONS:**
- REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE SALVAGED OR RECYCLED. COORDINATE WITH THE UTILITY REPRESENTATIVES THE DISPOSITION OF ITEMS OWNED BY THE UTILITY COMPANIES. OFF-SITE DISPOSAL IS BY THE CONTRACTOR.
 - SALVAGE: DETACH ITEM FROM EXISTING CONSTRUCTION, PROTECT FROM DAMAGE AND DELIVER THEM TO OWNER READY FOR REUSE. COORDINATE DELIVERY LOCATION WITH OWNER AND PROVIDE DELIVERY.
 - REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE RAZED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED OR SALVAGED. PROVIDE TEMPORARY PROTECTION DURING THE CONSTRUCTION PERIOD. PROVIDE ADJUSTMENTS AS REQUIRED BY PLANS.

ABBREVIATIONS:
 OUC - ORLANDO UTILITIES COMMISSION
 FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
 FOR STANDARD ABBREVIATIONS REFER TO THE FDOT STANDARD INDEX 001, UNLESS OTHERWISE NOTED ON PLANS.

DEMOLITION LEGEND:

| | |
|--|--|
| | TURBIDITY BARRIER |
| | EXISTING ELEVATION |
| | KEY NOTE REFERENCE |
| | SURVEY/UTILITY IMPACT LIMITS |
| | EXISTING UTILITY LINE |
| | AREA OF ASPHALT PAVEMENT TO BE REMOVED |

GENERAL DEMOLITION NOTES

- ALL OTHER EXISTING UNDERGROUND UTILITIES TO REMAIN UNLESS INDICATED IN PLANS.
- TEMP. REMOVE POST MOUNTED SIGNS. CONTACT CITY PRIOR TO DISPOSITION OF EXISTING SIGNS.
- RELOCATION OR REMOVAL OF WATER METER SHOULD BE BY OUC PERSONNEL ONLY.
- REFER TO ELECTRICAL PLANS FOR SUPPLEMENTAL ADJUSTMENT DATA.
- PAVEMENT, SIDEWALK, TREES, CURB & GUTTER, AND SIGNAGE WITHIN THE LIMITS OF CONSTRUCTION TO BE CLEARED AND GRUBBED PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 110 AS MODIFIED PER PLANS.
- THE ACTUAL DEPTH AND LOCATION OF EXISTING UTILITIES ARE SHOWN PER THE BEST AVAILABLE INFORMATION. IT SHALL BE CONTRACTORS RESPONSIBILITY TO COORDINATE CROSSINGS OF EXISTING UTILITIES WITH THE OWNER OF UTILITIES.

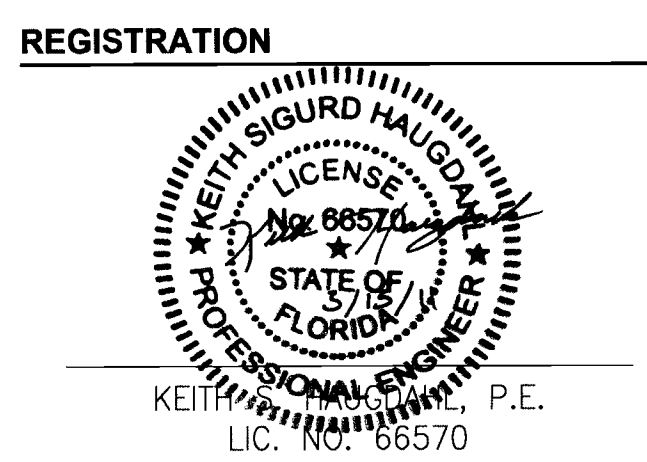


PROJECT
 LAKE BEAUTY PARK
 30 WEST MILLER STREET
 ORLANDO, FL 32801

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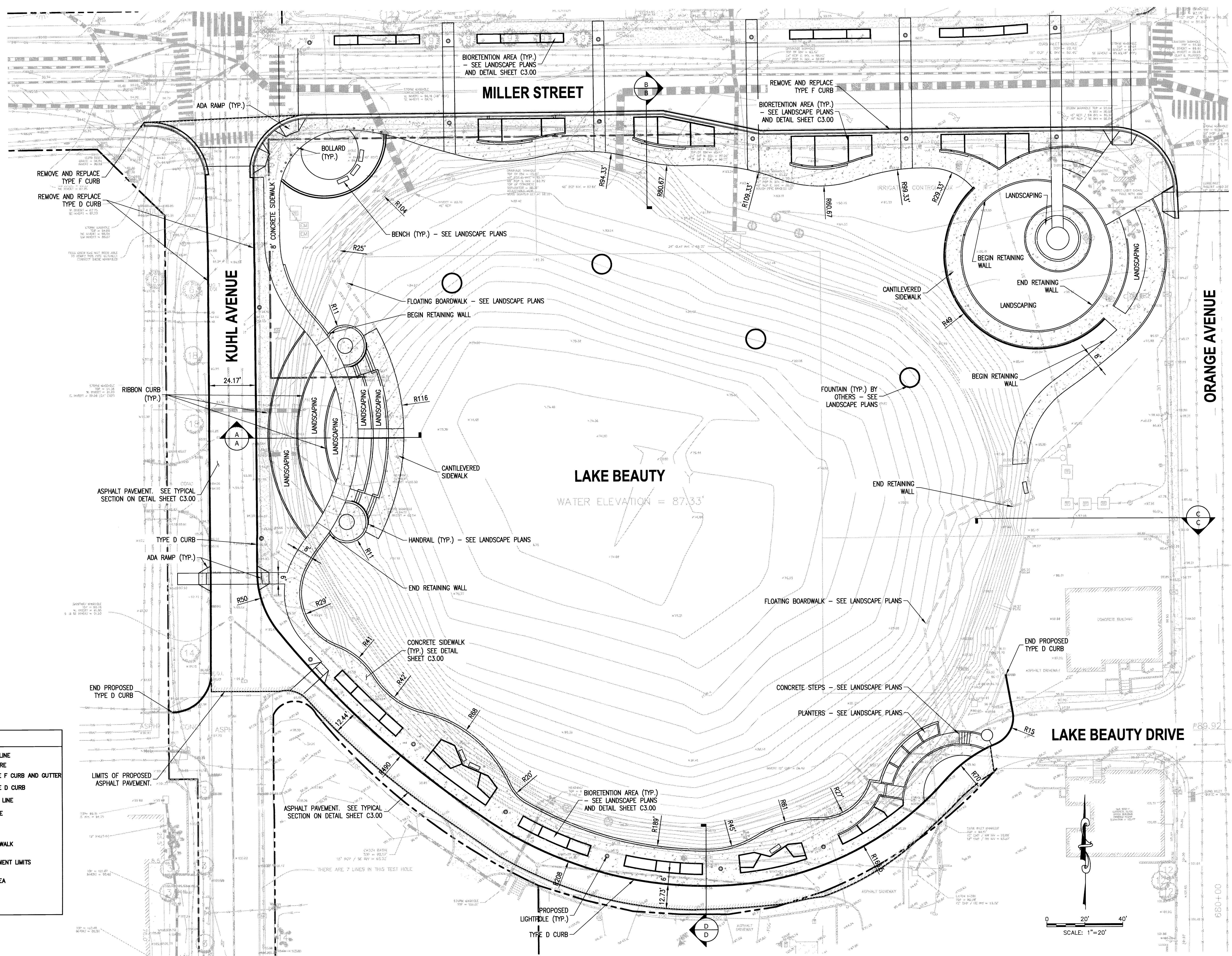
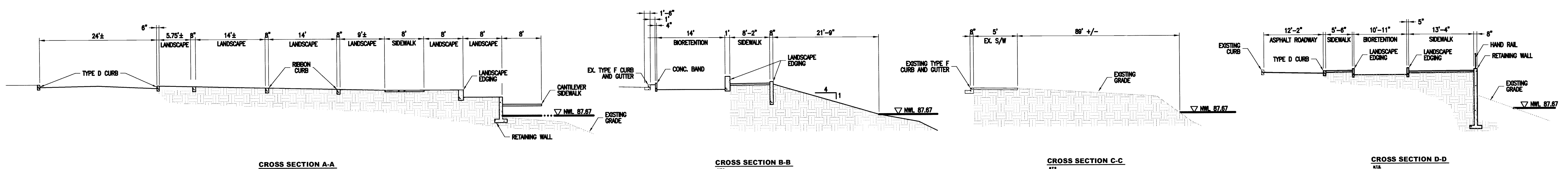
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PROJECT NUMBER
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SHEET TITLE
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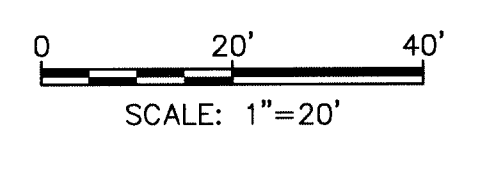
SHEET NUMBER RECEIVED 8.4.16-3
C2.00 MAR 15 2011
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LEGEND:

- RIGHT OF WAY LINE
- EXISTING FEATURE
- PROPOSED TYPE F CURB AND GUTTER
- PROPOSED TYPE D CURB
- NORMAL WATER LINE
- STORM MANHOLE
- ⊙ CURB INLET
- CONCRETE SIDEWALK
- ASPHALT PAVEMENT LIMITS
- LANDSCAPE AREA
- SAWCUT LIMITS



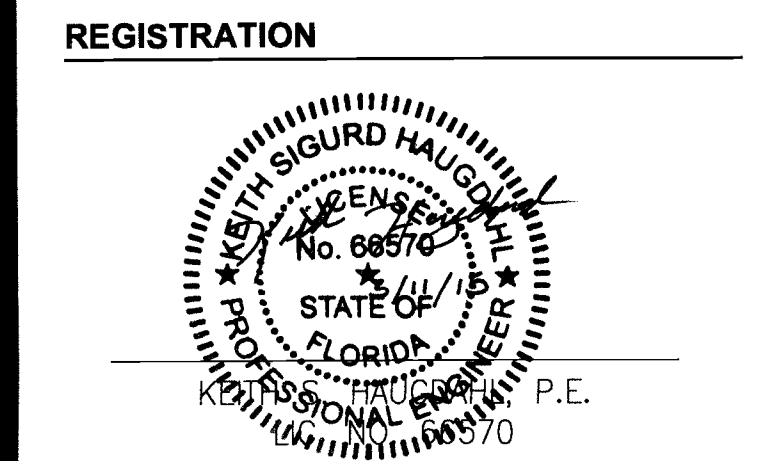
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PROJECT
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KEY PLAN

PROJECT NUMBER
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SHEET TITLE
82476-3

SITE PLAN RECEIVED
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SHEET NUMBER
C2.10

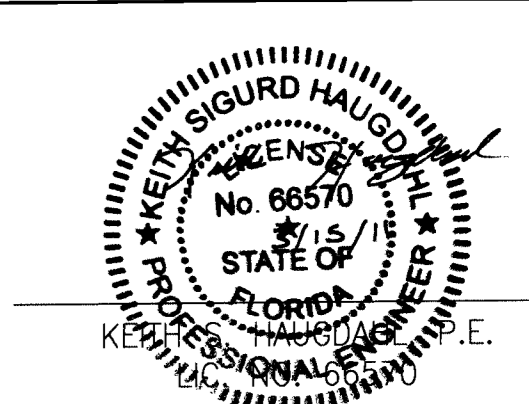
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gai consultants

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| | 10 MARCH 2011 | SURROUND PERMIT SET |

KEY PLAN

82476-3

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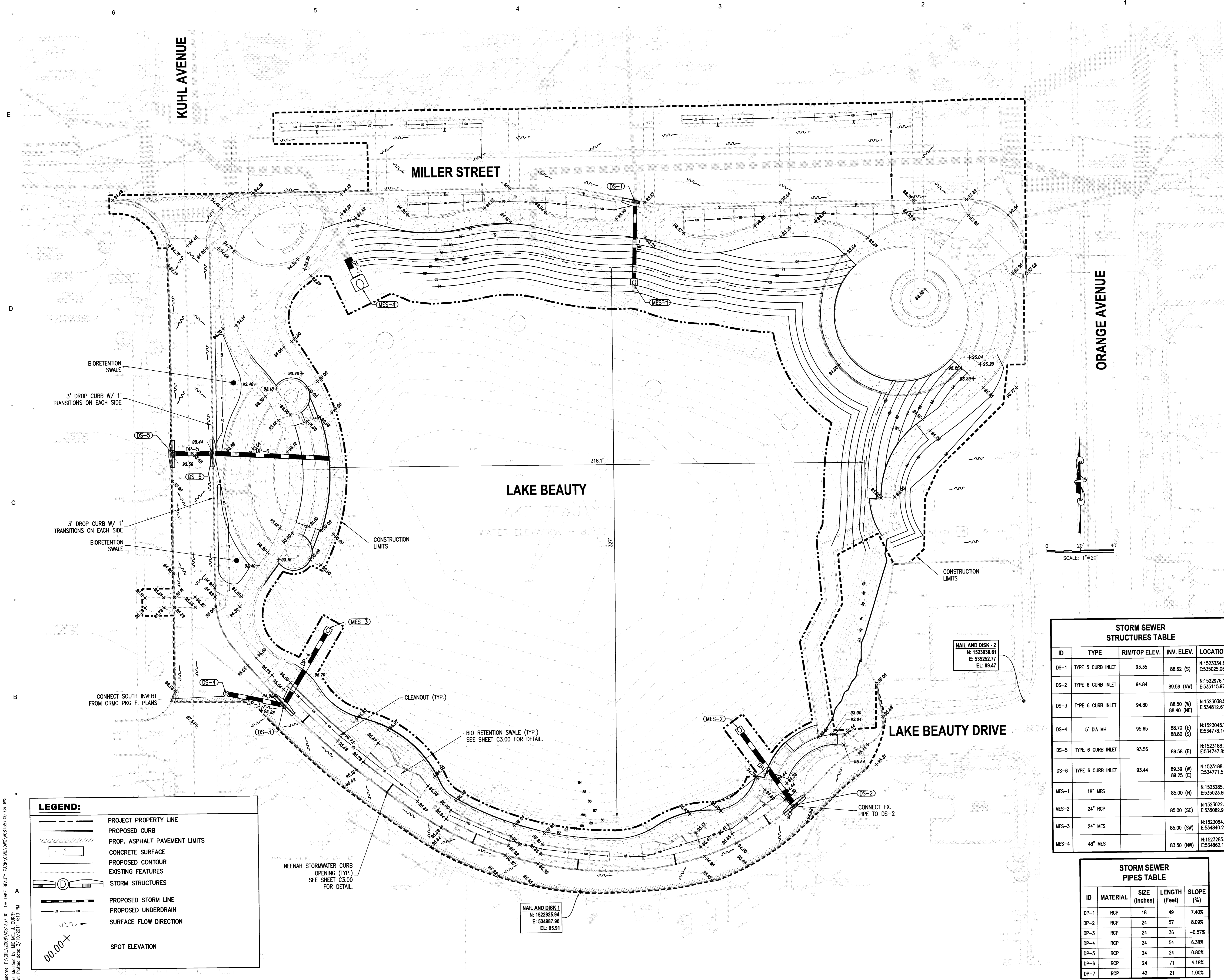
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10332156.81

SHEET TITLE

GRADING AND DRAINAGE PLAN
SHEET NUMBER

C2.20

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STORM SEWER STRUCTURES TABLE

| ID | TYPE | RIM/TOP ELEV. | INV. ELEV. | LOCATION |
|-------|-------------------|---------------|-------------------------|-----------------------------|
| DS-1 | TYPE 5 CURB INLET | 93.35 | 88.62 (S) | N:1523334.81 E:535025.06 |
| DS-2 | TYPE 6 CURB INLET | 94.84 | 89.59 (NW) | N:1522976.15 E:535115.97 |
| DS-3 | TYPE 6 CURB INLET | 94.80 | 88.50 (W) 88.40 (NE) | N:1523038.54 E:534812.61 |
| DS-4 | 5" DIA MH | 95.65 | 88.70 (E) 88.80 (S) | N:1523045.70 E:534778.14 |
| DS-5 | TYPE 6 CURB INLET | 93.56 | 89.58 (E) | N:1523188.20 E:534747.82 |
| DS-6 | TYPE 6 CURB INLET | 93.44 | 89.39 (W) 89.25 (E) | N:1523188.29 E:534771.51 |
| MES-1 | 18" MES | | 85.00 (N) | N:1523285.88 E:535023.80 |
| MES-2 | 24" RCP | | 85.00 (SE) | N:1523022.29 E:535082.90 |
| MES-3 | 24" MES | | 85.00 (SW) | N:1523084.05 E:534840.26 |
| MES-4 | 48" MES | | 83.50 (NW) | N:1523285.21 E:534862.14 |

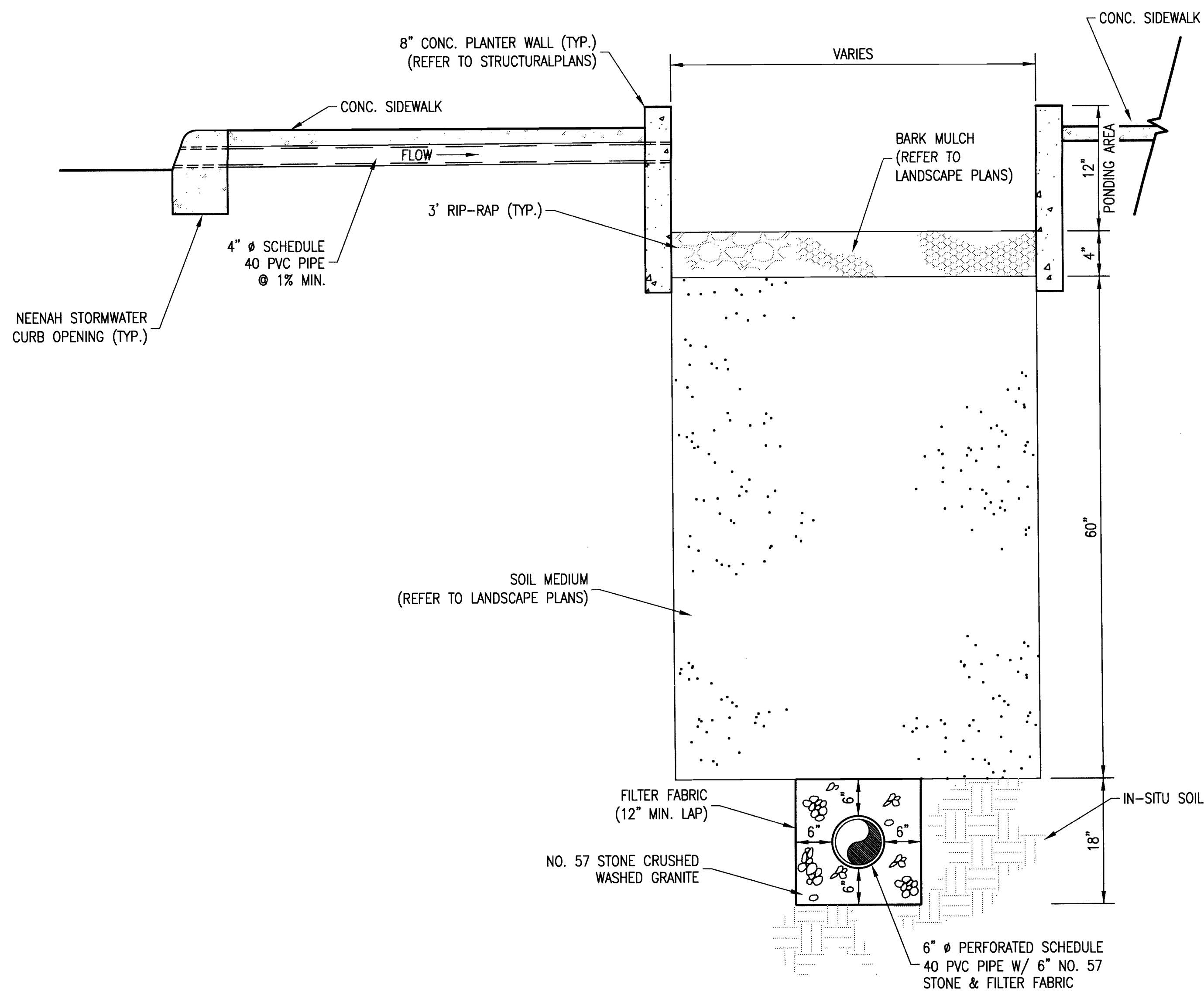
STORM SEWER PIPES TABLE

| ID | MATERIAL | SIZE (Inches) | LENGTH (Feet) | SLOPE (%) |
|------|----------|---------------|---------------|-----------|
| DP-1 | RCP | 18 | 49 | 7.40% |
| DP-2 | RCP | 24 | 57 | 8.09% |
| DP-3 | RCP | 24 | 36 | -0.57% |
| DP-4 | RCP | 24 | 54 | 6.38% |
| DP-5 | RCP | 24 | 24 | 0.80% |
| DP-6 | RCP | 24 | 71 | 4.18% |
| DP-7 | RCP | 42 | 21 | 1.00% |

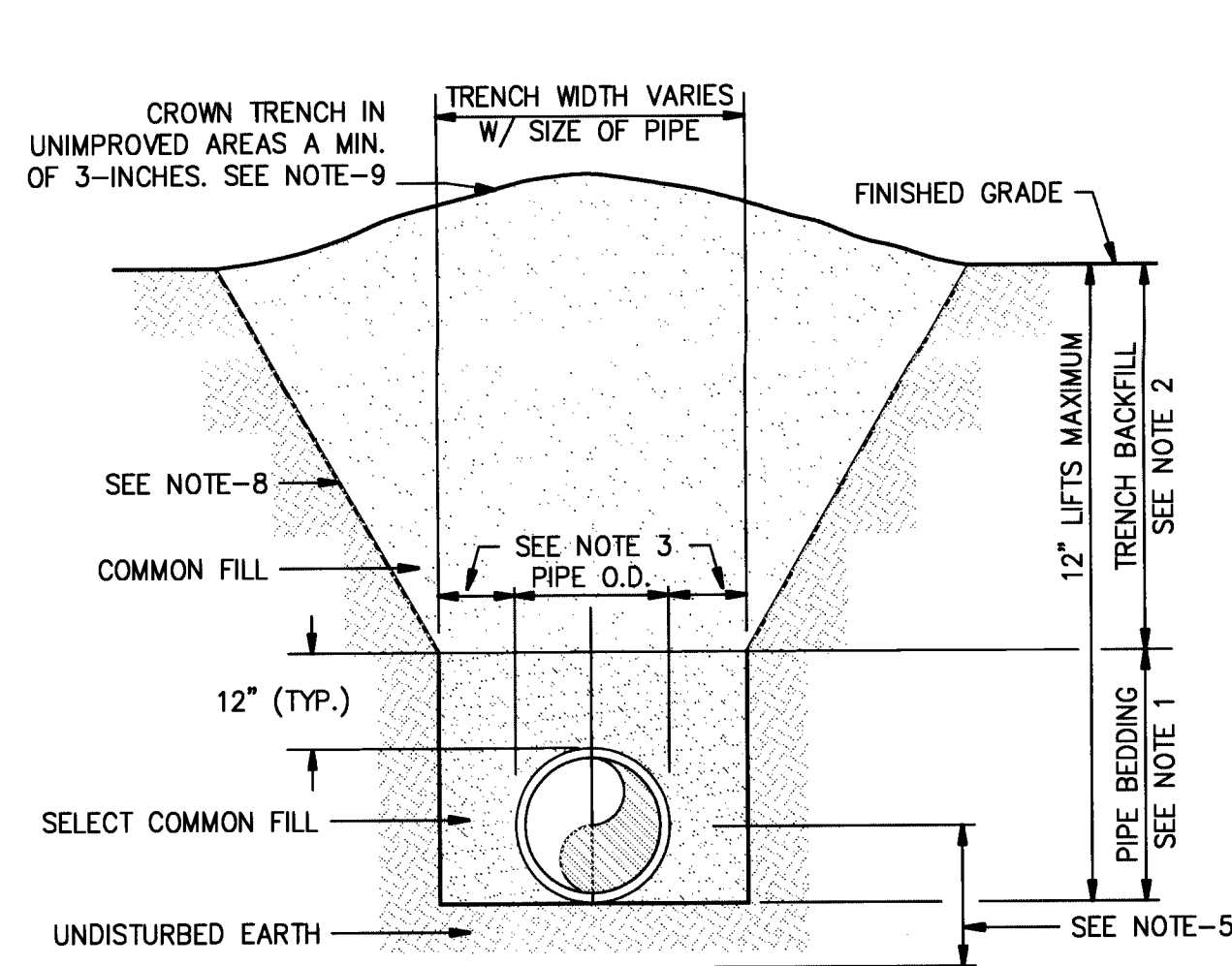
LEGEND:

- PROJECT PROPERTY LINE
- PROPOSED CURB
- PROP. ASPHALT PAVEMENT LIMITS
- CONCRETE SURFACE
- PROPOSED CONTOUR
- EXISTING FEATURES
- STORM STRUCTURES
- PROPOSED STORM LINE
- PROPOSED UNDERDRAIN
- SURFACE FLOW DIRECTION
- SPOT ELEVATION

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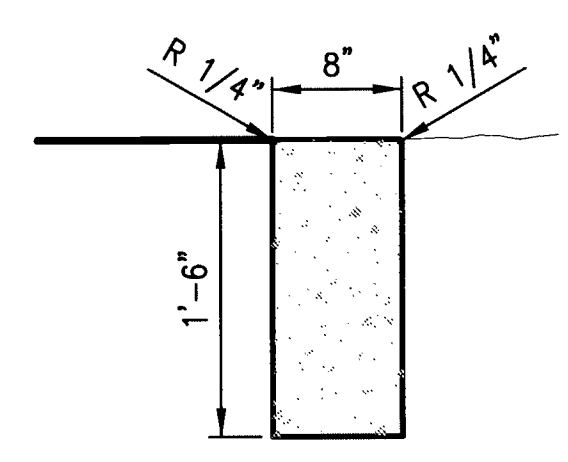


SECTION A-A
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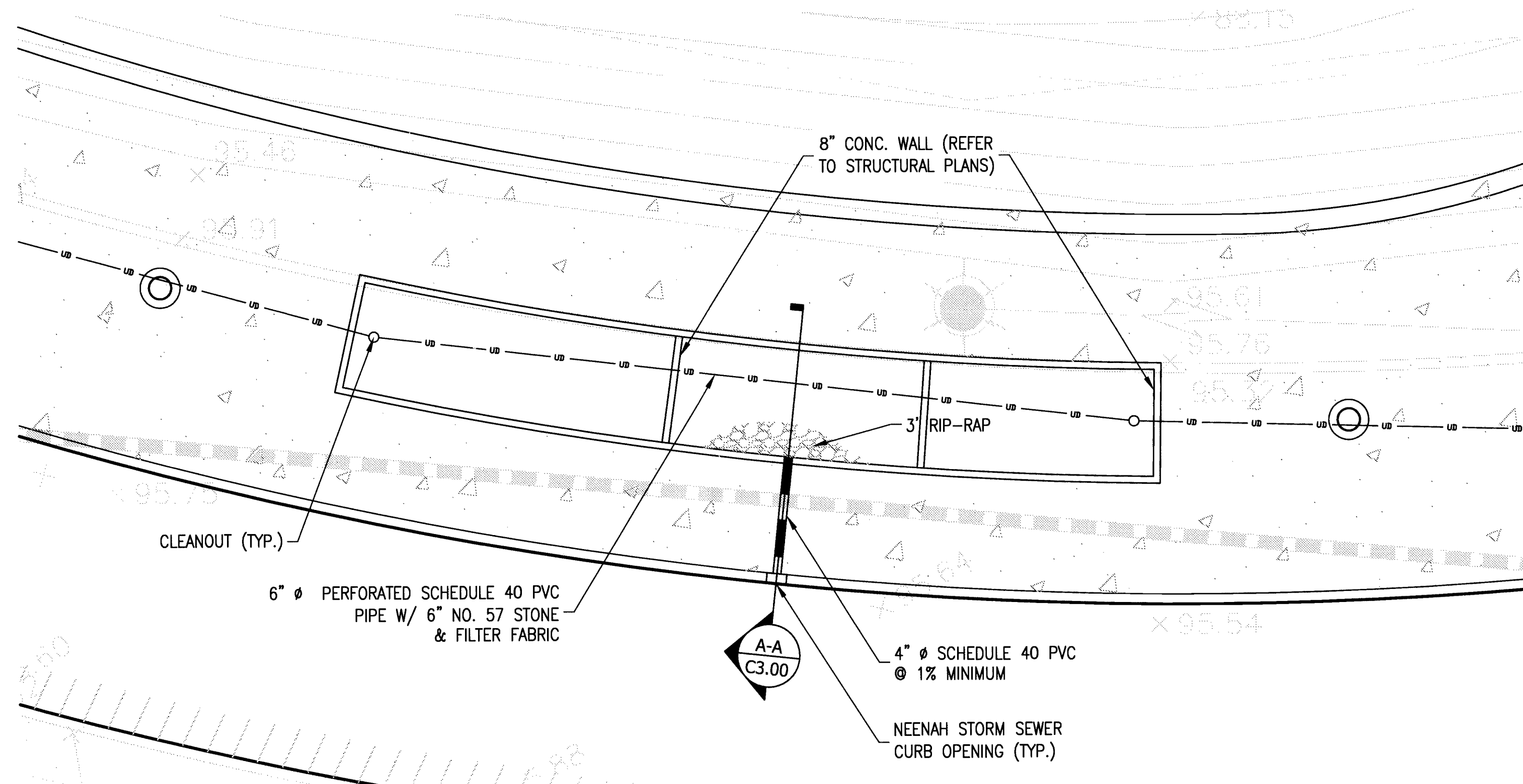


BEDDING AND TRENCHING DETAIL
SCALE: N.T.S.

- NOTES:**
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 3. USE 15-INCHES MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24-INCHES MAX. FOR PIPE DIAMETER 24" AND LARGER.
 4. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION. MAINTAIN WATER LINE AT LEAST 2-INCHES BELOW TRENCH BOX.
 5. TYPE-A BEDDING MAY BE REQUIRED BASED ON UNSUITABLE SOILS CONDITIONS. FOR TYPE-A PIPE BEDDING USE: GRANULAR OR FLOWABLE FILL MATERIAL CONFORMING TO FDOT INDEX 307. TYPE-A BEDDING MIN. THICKNESS BELOW PIPE OF 4-INCHES FOR PIPES LESS THAN 18" AND 6-INCHES FOR PIPES 18" AND OVER. DEPTH OF REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING.
 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
 7. INSTALL MARKING TAPE PER TECHNICAL SPECIFICATIONS.
 8. TRENCH WALLS SHALL BE SHEETED IN AREAS WHERE SIDE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES IMPROVEMENTS, OR EXTEND BEYOND THE PROPERTY OR R.O.W. BOUNDARY. EXCAVATION AND SHEETING AND BRACING SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA "TRENCH SAFETY ACT" (SS. 553.60-553.64) AND THE LATEST EDITION OF THE FDOT CONSTRUCTION MANUAL.
 9. SITE RESTORATION SHALL COMPLY WITH APPLICABLE R.O.W. UTILIZATION REGULATIONS. ALL DISTURBED CONSTRUCTION AREAS SHALL BE RESTORED TO, OR BETTER THAN, PRE-EXISTING CONDITIONS.

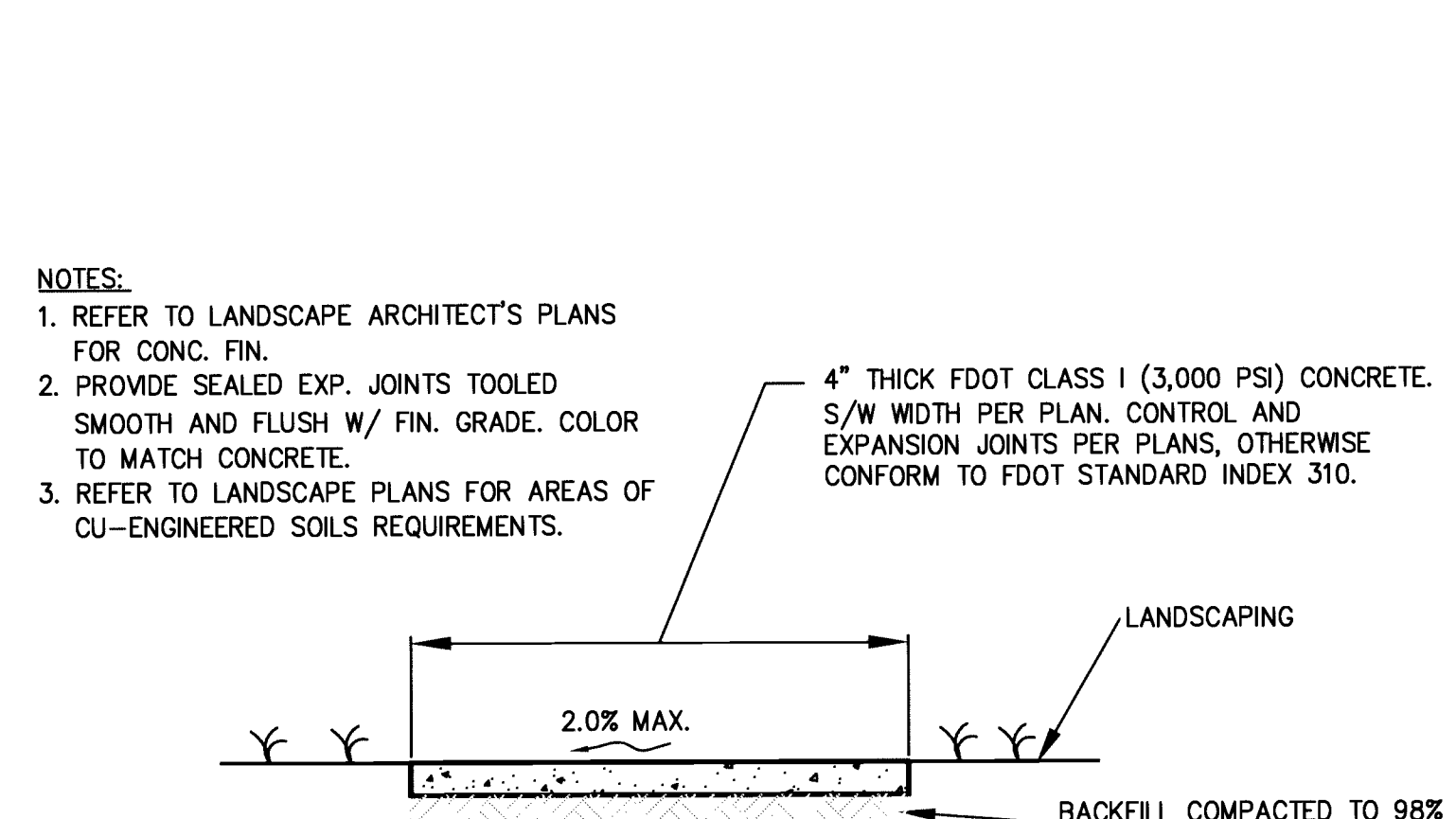


8" RIBBON CURB
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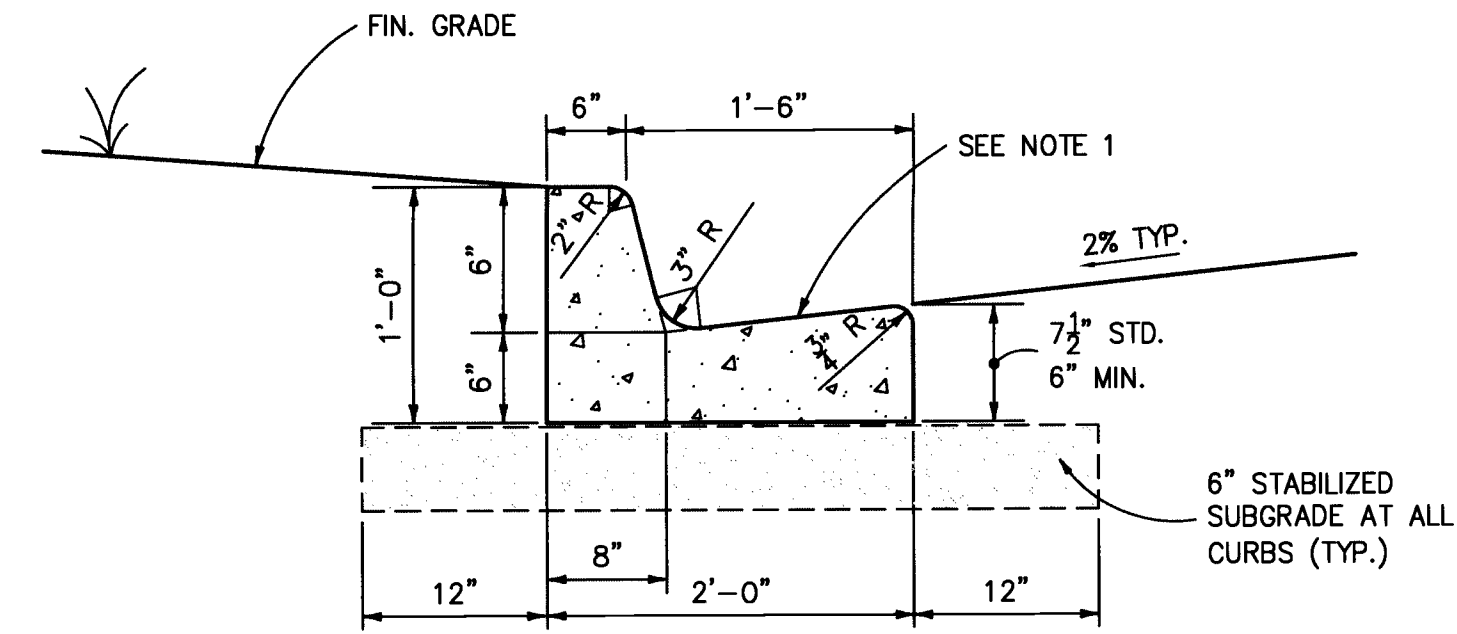


PLAN VIEW
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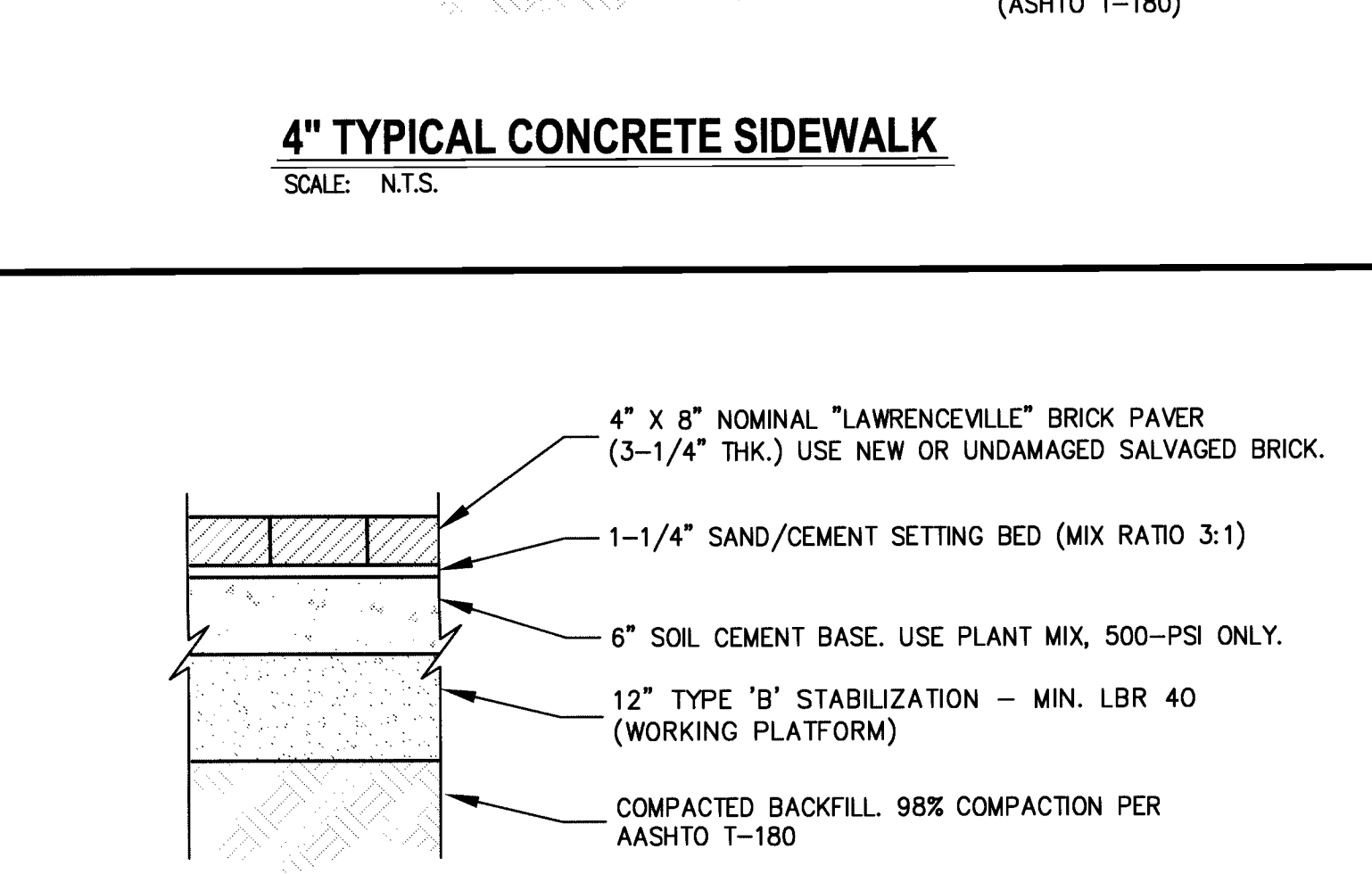
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SCALE: N.T.S.



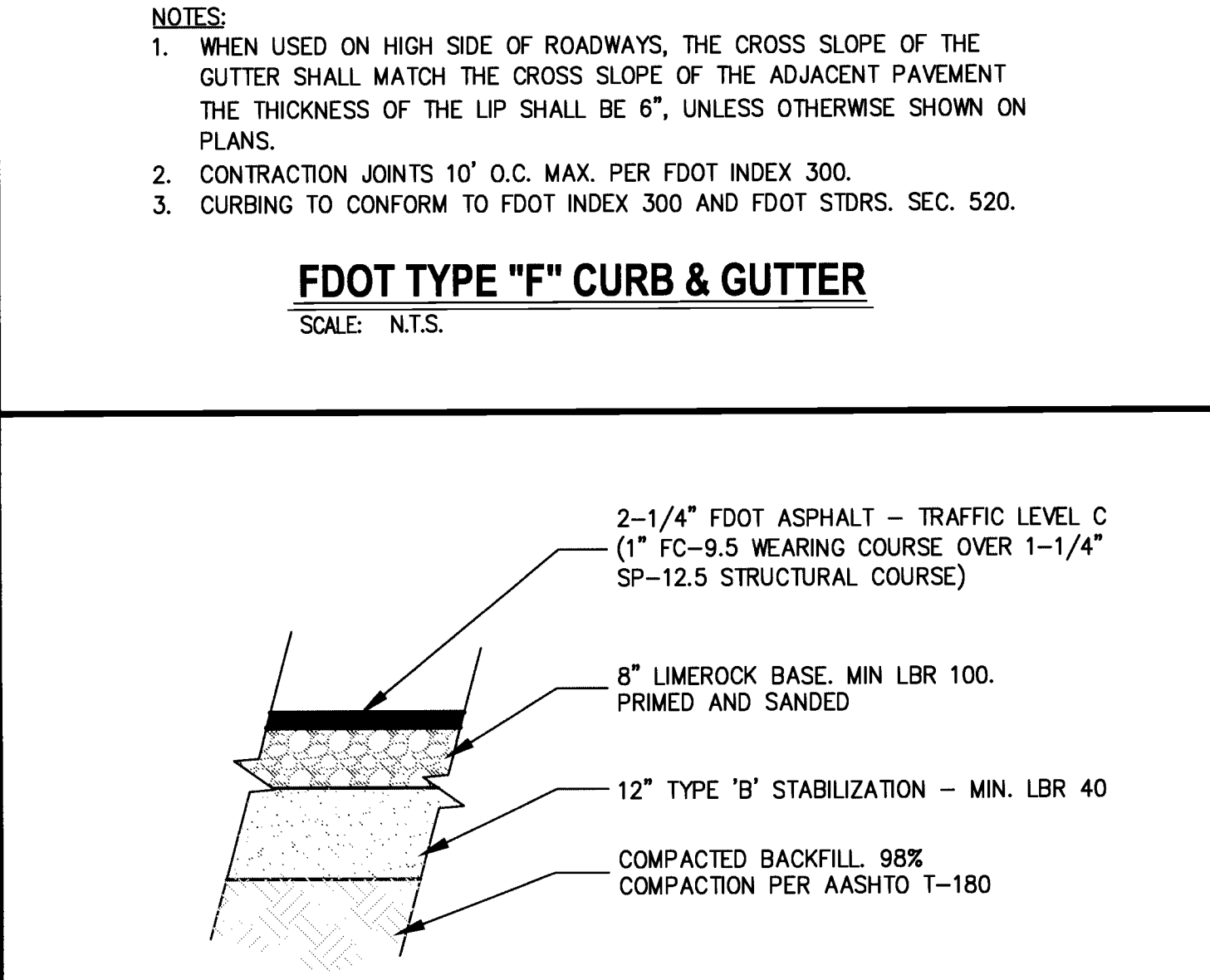
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FDOT TYPE \"/>



STREET BRICK PAVEMENT DETAIL
SCALE: N.T.S.



ASPHALT PAVEMENT DETAIL
SCALE: N.T.S.

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ORLANDO, FL 32801

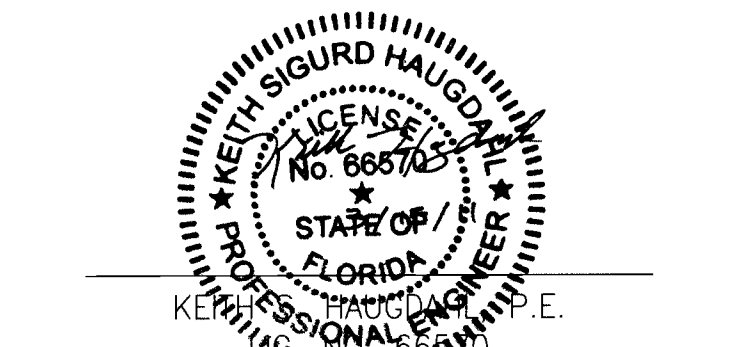
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KEY PLAN

PROJECT NUMBER
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SHEET TITLE

DETAILS

SHEET NUMBER
C3.00

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