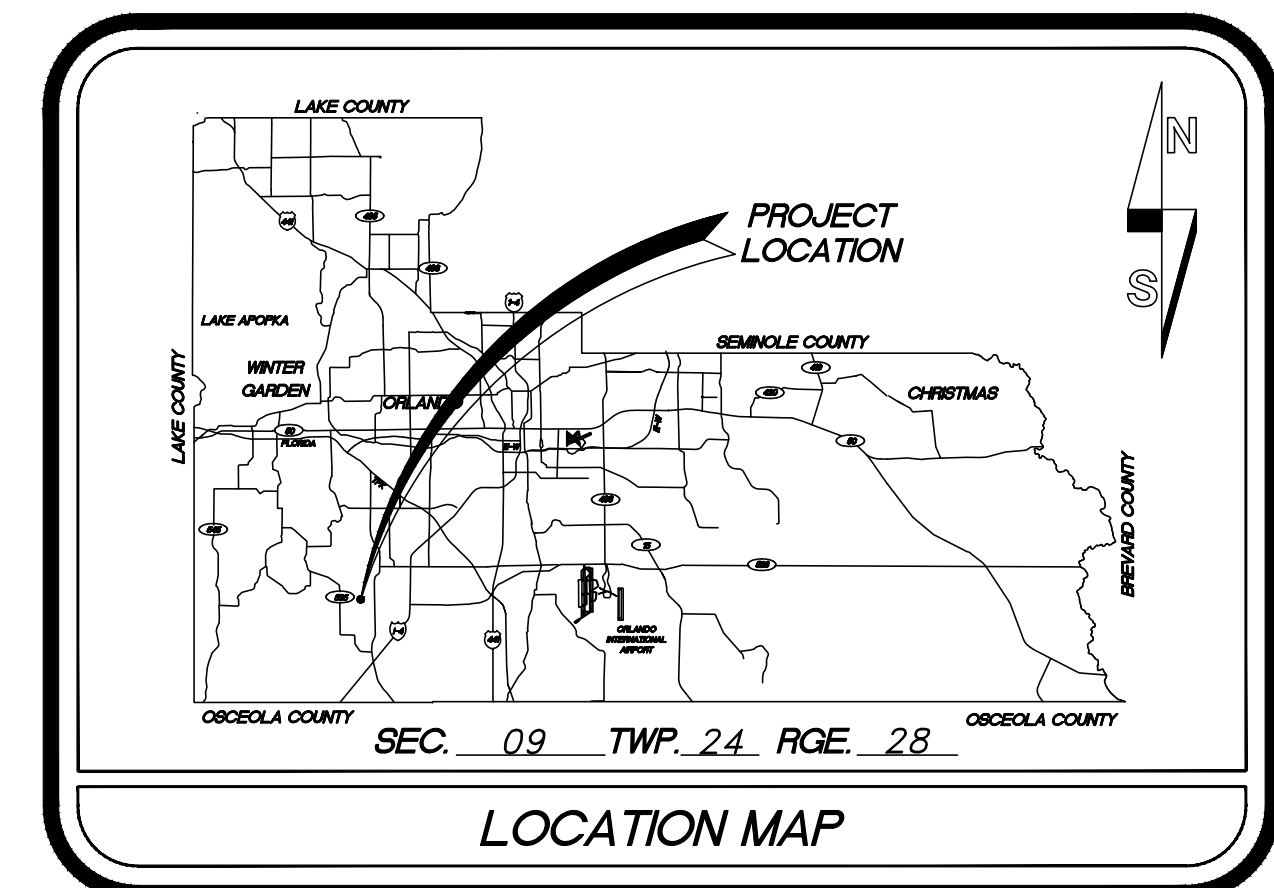




# CONSTRUCTION PLANS FOR ORANGE COUNTY CONVENTION CENTER HALL C - DRIVEWAY IMPROVEMENT

100% PLAN SUBMITTAL

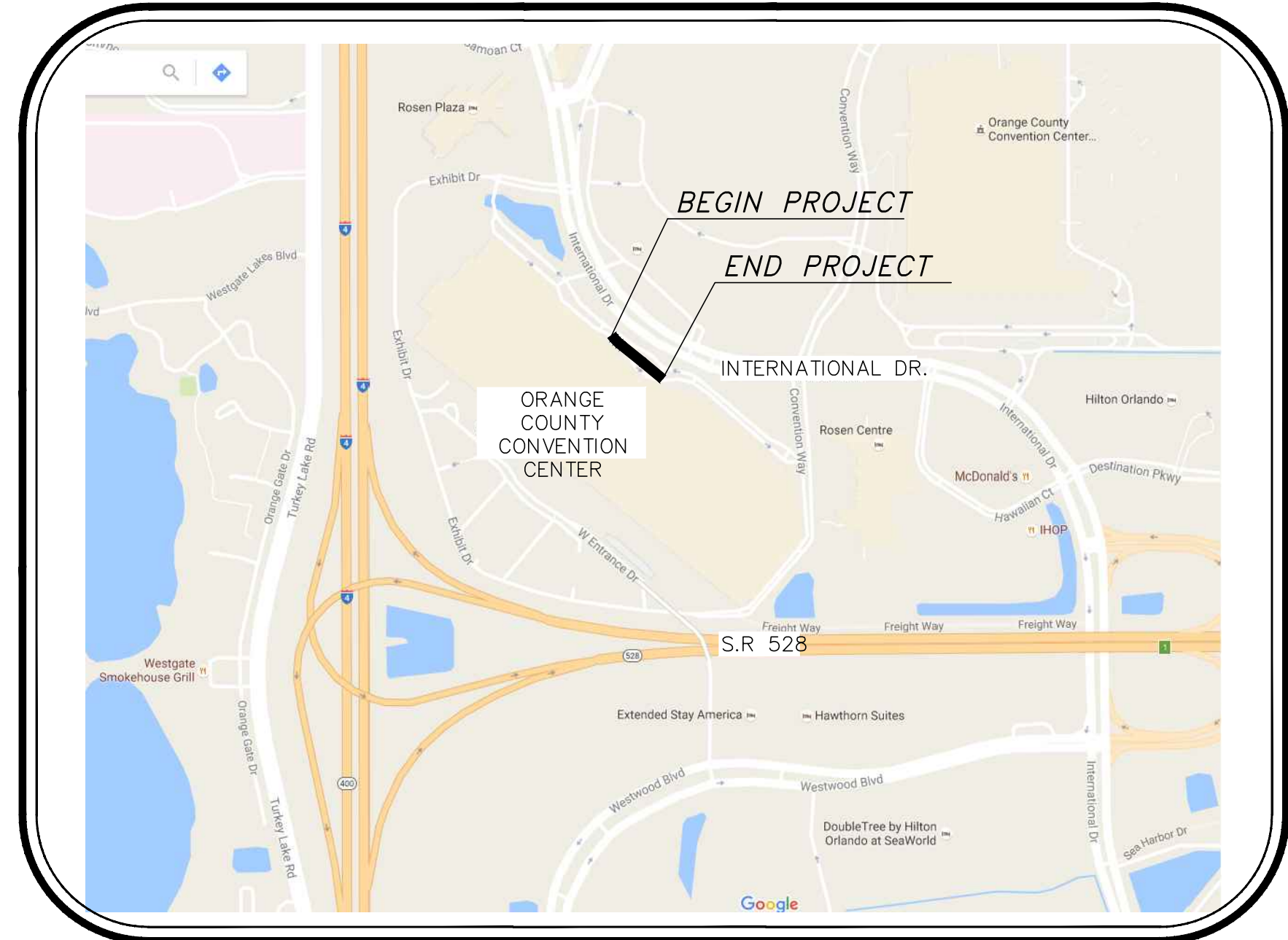
DISTRICT NO: 6  
ORANGE COUNTY, FLORIDA



**INDEX OF SHEETS**

SHEET	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTIONS AND DETAILS
4	GENERAL NOTES AND SPECIFICATIONS
5	SITE DEMOLITION & SWPPP
6	SITE GEOMETRY -PAVING PLAN
7	SITE PAVEMENT MARKING PLAN
8	MAINTENANCE OF TRAFFIC PLAN

PROJECT LENGTH:	FEET	MILES
SIDEWALK:	NONE	NONE
BRIDGES:	NONE	NONE
TOTAL PROJECT LENGTH:	950'±	0.02



VICINITY MAP  
NTS

**GOVERNING STANDARDS AND SPECIFICATIONS :**  
FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, DATED JANUARY 2016 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2017 AS AMENDED BY CONTRACT DOCUMENTS.

**UTILITIES ENCOUNTERED**

POWER:	DUKE ENERGY	407-629-1010
WATER:	ORLANDO UTILITY COMMISSION	407-254-9850
SEWER:	ORANGE COUNTY PUBLIC UTILITIES	407-254-9900
CABLE:	CENTURY LINK	877-577-2119

**TERESA S. JACOBS, COUNTY MAYOR**  
**BOARD OF COUNTY COMMISSIONERS**

BETSY VANDERLEY	DISTRICT 1
BRYAN NELSON	DISTRICT 2
PETE CLARKE	DISTRICT 3
JENNIFER THOMPSON	DISTRICT 4
EMILY BONILLA	DISTRICT 5
VICTORIA P. SIPLIN	DISTRICT 6

**NOTE**

PLANS WERE PREPARED ACCORDING TO AVAILABLE INFORMATION TO ADEQUATELY ADDRESS CONDITIONS AS THEY EXISTED AT THE TIME OF PLANS PREPARATION. NEEDS, CONDITIONS AND OWNERSHIP OF PROPERTIES MAY HAVE CHANGED SINCE PROJECT DESIGN. THE COUNTY'S REPRESENTATIVE WILL ADDRESS CHANGES AND NEEDS WITH THE PROPERTY OWNER OR THEIR REPRESENTATIVES. CONTRACTOR SHALL WORK WITH THE COUNTY'S REPRESENTATIVE IN ADDRESSING AND MEETING NEEDS AND CONDITIONS THAT MAY HAVE CHANGED SINCE PLANS PREPARATION.

**CERTIFICATION TO PLANS**

I HEREBY CERTIFY THAT THE DESIGN FOR THIS PROJECT AND THE ATTACHED CONSTRUCTION PLANS COMPLY WITH THE REQUIREMENTS OF SECTION 336.045 OF THE FLORIDA STATUTES AND ARE IN SUBSTANTIAL CONFORMANCE WITH THE STANDARDS CONTAINED IN THE EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" IN EFFECT ON THIS DATE AS ADOPTED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION PURSUANT TO SUBSECTION 336.045(1) OF THE FLORIDA STATUTES.

DATE: \_\_\_\_\_ ENGINEER: \_\_\_\_\_  
JEAN M. ABI-AOUN, PE 45128

**PREPARED BY:**

5127 S. Orange Avenue, Suite 200  
Orlando, FL 32809  
Phone: 407-895-0324  
Fax: 407-895-0325  
www.feg-inc.us

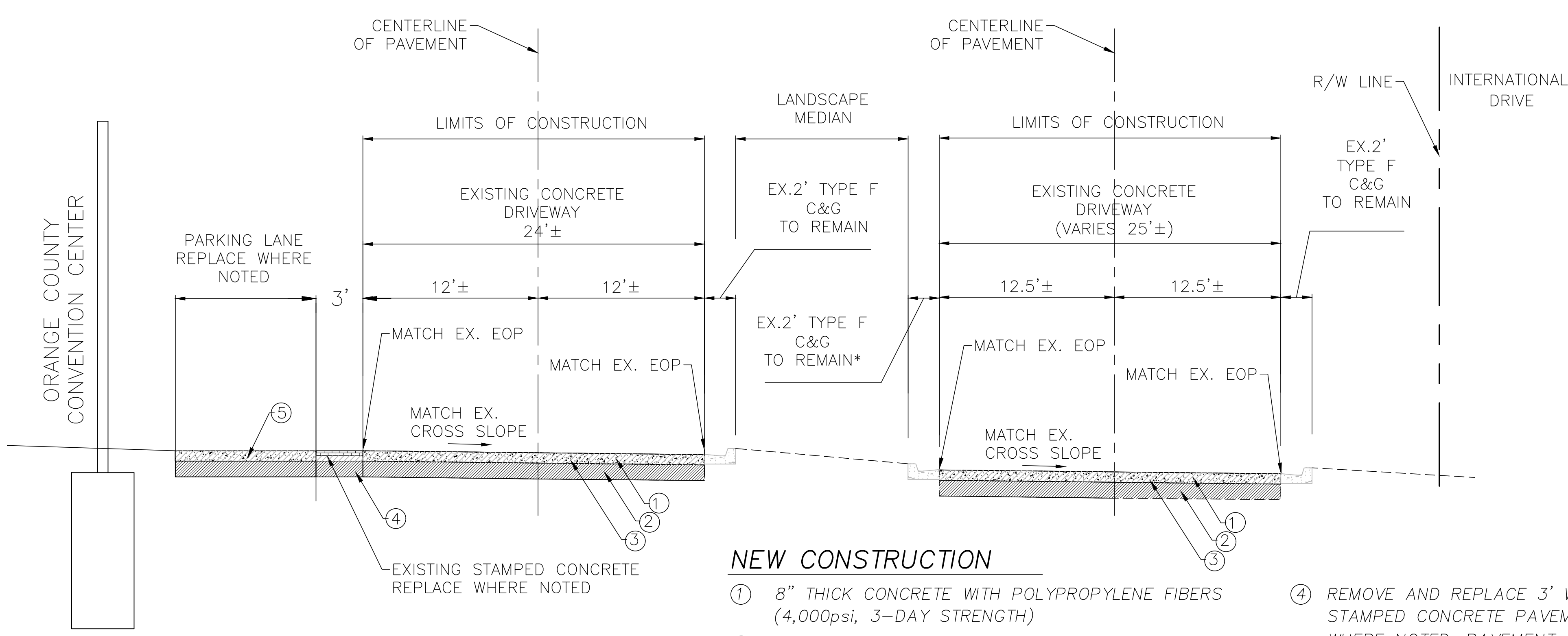
REVISIONS	DATE	BY

DESIGNED BY: WRH DATE: 08/28/2016  
DRAWN BY: VP DATE: 08/28/2016  
CHECKED BY: WRH DATE: 09/23/2016  
APPROVED BY: WRH DATE: 09/23/2016  
FEG PROJECT NO.: 12-019; TA-16-001

SHEET 1  
OF 8





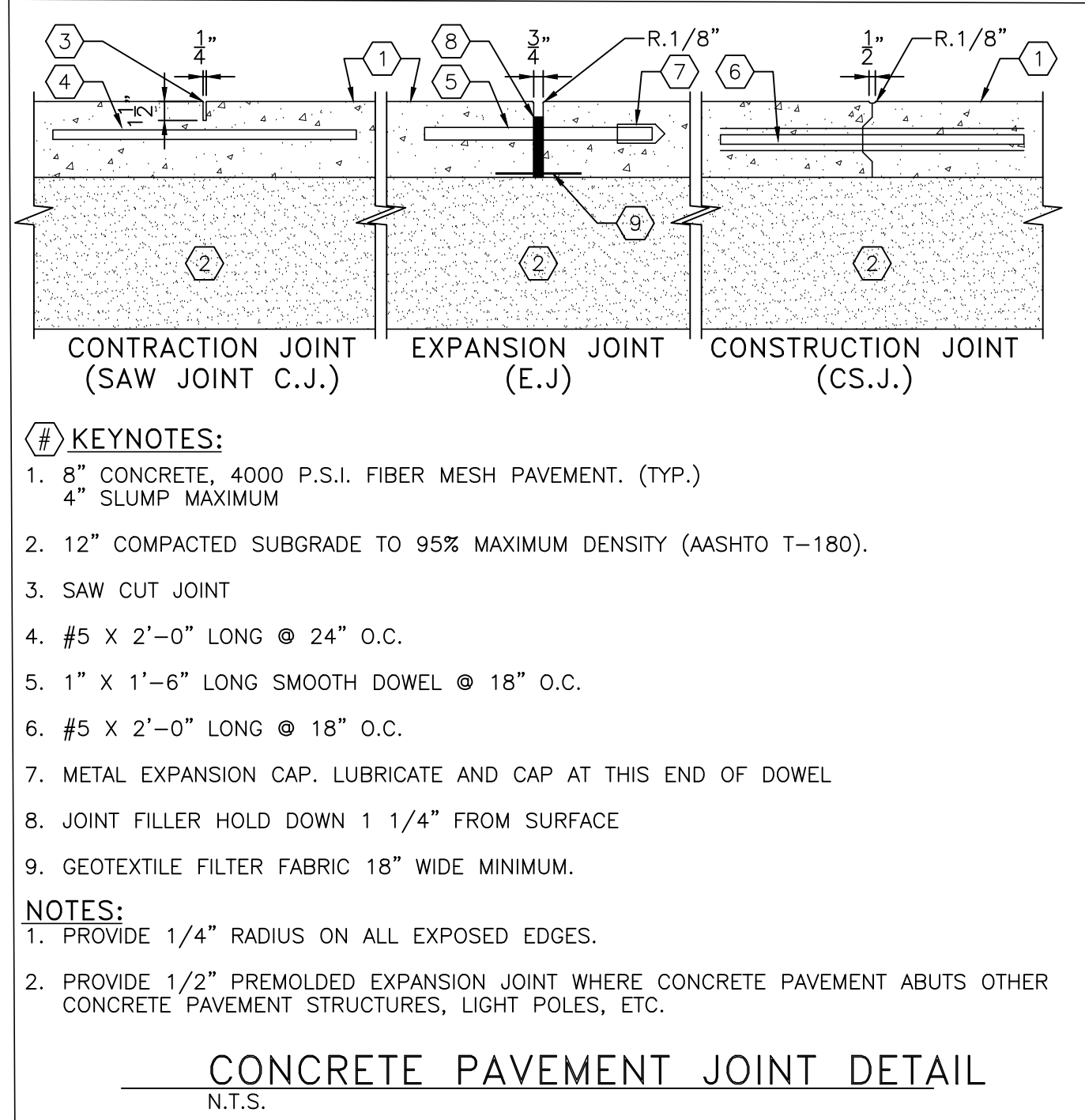
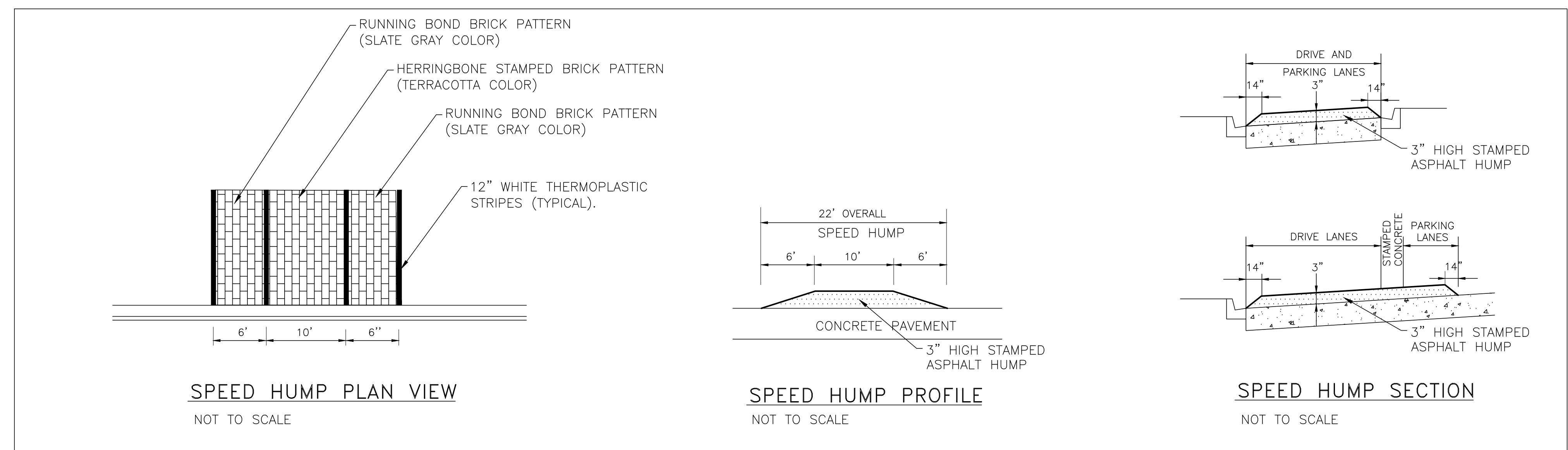
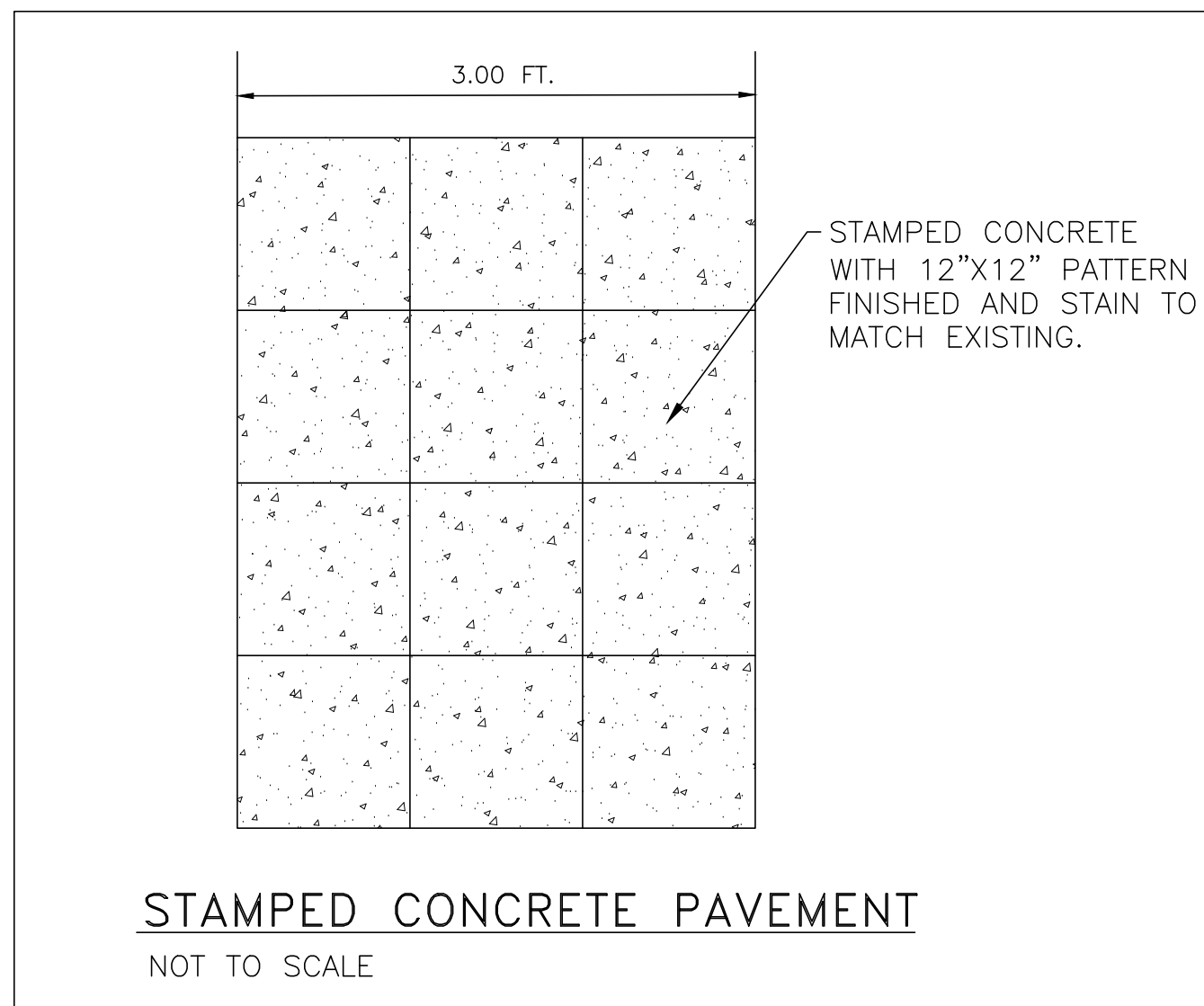
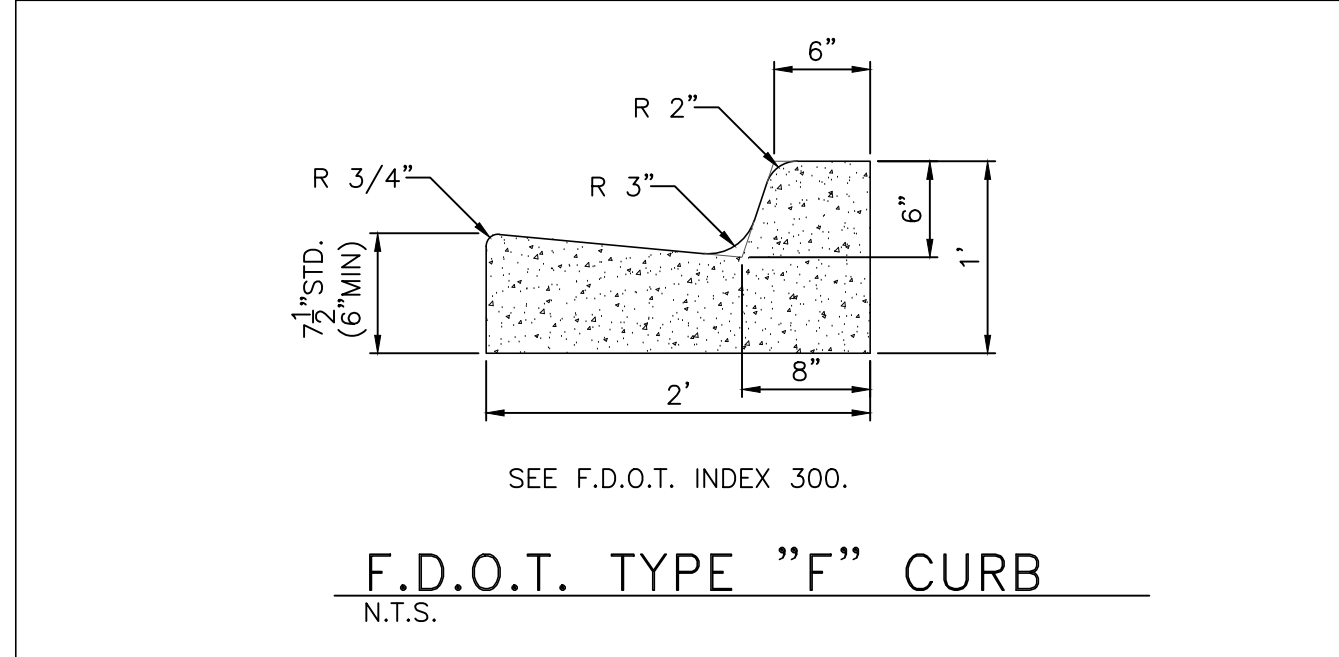


**NEW CONSTRUCTION**

- ① 8" THICK CONCRETE WITH POLYPROPYLENE FIBERS (4,000psi, 3-DAY STRENGTH)
- ② 12" COMPACTED SUBGRADE TO MIN. 95% MODIFIED PROCTOR DENSITY VALUE (AASHTO T-180) TO A DEPTH OF 1 FOOT BELOW THE CONCRETE SLAB. THE SUBGRADE SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 15 WHEN COMPACTED.
- ③ REMOVE EXISTING CONCRETE PAVEMENT (6.5"± THICK)
- ④ REMOVE AND REPLACE 3' WIDE STAMPED CONCRETE PAVEMENT WHERE NOTED. PAVEMENT AND BASE TO MATCH NOTES ① AND ②
- ⑤ REMOVE AND REPLACE PARKING WHEN NOTED. PAVEMENT AND BASE TO MATCH NOTES ① AND ②

TYPICAL SECTION  
NOT TO SCALE

\* EXCEPT AS NOTED ON THE PLANS FOR TEMPORARY MOT.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



5127 S. Orange Avenue, Suite 200  
Orlando, FL 32809  
Phone: 407 (895) 0324  
Fax: 407 (895) 0325  
www.feg-inc.us

<b>ORANGE COUNTY CONVENTION CENTER</b>		
PROJECT NAME	FEG PROJECT NO.	OCCC NO.
CONVENTION CENTER DRIVEWAY IMPROVEMENT	12-019; TA-16-001	

<b>TYPICAL SECTIONS AND DETAILS</b>	
SCALE: N.T.S.	
SHEET 3 OF 8	

# GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENT OF THE PROJECT SPECIFICATIONS, THE YEAR 2017 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO AND ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS.

2. ANY DIFFERING SITE CONDITIONS FROM THOSE WHICH ARE REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND COUNTY IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND COUNTY.

3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH PROJECT CONSTRUCTION. PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE/UTILITY CONFLICTS EXIST. INFORMATION ON CONFLICTS IS TO BE SUBMITTED TO THE ENGINEER AS SOON AS POSSIBLE AFTER DISCOVERY FOR RESOLUTION. SUNSHINE STATE ONE CALL MUST BE NOTIFIED FOR LOCATES AT 1-800-432-4770.

4. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV COMPANIES. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION IN ANY PUBLIC OR PRIVATE STREET, ALLEY, RIGHT-OF-WAY DEDICATED TO THE PUBLIC USE, OR GAS UTILITY EASEMENT WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF THE PROPOSED EXCAVATION." THIS INCLUDES ANY OPERATION UTILIZING HAND TOOLS OR POWER TOOLS WHICH MOVES OR REMOVES ANY STRUCTURE, EARTH, ROCK, OR OTHER MASS OF MATERIAL BY SUCH METHODS AS DIGGING, BACK FILLING, DEMOLITION, GRADING, DITCHING, DRILLING, BORING AND CABLE PLOWING. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATING (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).

5. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED IN ACCORDANCE TO FDOT STANDARD INDEX Nos. 102 AND 103 PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SILT FENCE, ROCK BAGS, TURBIDITY BARRIERS, SYNTHETIC BALES, AND OTHER EROSION AND SEDIMENT CONTROL DEVICES MUST REMAIN IN PLACE AND IN GOOD CONDITION AT ALL LOCATIONS SHOWN IN PLANS OR AS REQUIRED UNTIL THE CONTRACT IS COMPLETE AND SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. MEASURES SHOWN ARE THE MINIMUM REQUIRED AND THE CONTRACTOR WILL ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS IN TURBID WATERS, WATERWAYS OR OFFSITE AREAS.

6. CONTRACTOR TO MAINTAIN UNINTERRUPTED ACCESS TO CONVENTION CENTER ENTRANCE AT ALL TIMES.

7. CONTRACTOR SHALL MAINTAIN ADEQUATE SUPERVISION AND CONTROL TO ENSURE THAT STABILITY OR EXCAVATED AND CONSTRUCTED SLOPES ARE NOT ADVERSELY AFFECTED BY RAIN WATER.

8. CONTRACTOR SHALL MAINTAIN ADEQUATE SUPERVISION AND CONTROL TO ENSURE THAT EROSION IS CONTROLLED AND FLOODING OF EXCAVATION OR DAMAGE TO STRUCTURES DOES NOT OCCUR.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASSES AND VEGETATION UNTIL THE WORK HAS BEEN ACCEPTED BY THE COUNTY.

10. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE MANUAL ON TRAFFIC CONTROL DEVICES AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN STANDARDS.

11. THE CONTRACTOR SHALL ENSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR THE PLACEMENT OF ALL STRUCTURES OR COMPACTED EARTH. SOIL TESTING SHALL BE PROVIDED BY THE CONTRACTOR.

12. THE CONTRACTOR SHALL USE EXTREME CAUTION AND CARE TO ENSURE THAT THEIR WORK AREA IS PROTECTED AT ALL TIMES. THE CONTRACTOR SHALL SECURE THEIR WORK AREA AND MATERIALS DURING CONSTRUCTION AND AT THE END OF EACH WORK DAY TO PROVIDE FOR THE SAFETY OF ALL PERSONS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY PAVEMENT OR CURBING DAMAGED DURING CONSTRUCTION WITH THE PAVEMENT AND CURB SPECIFICATIONS.

14. THE CONTRACTOR SHALL SUBMIT A JOINT PLAN TO OCC FOR REVIEW TWO WEEKS PRIOR TO CONCRETE POUR. THE JOINTS SHOULD NOT BE LOCATED WITHIN THE TIRE PATH WHERE FEASIBLE.

PORTLAND CEMENT CONCRETE PAVING PART I - GENERAL 1.1 RELATED DOCUMENTS A. All applicable provisions of the Bidding and Contract Requirements, and Division 1 - General Requirements shall govern the work under this Section. 1.2 WORK INCLUDED A. Provide all labor, materials, necessary equipment, and services to complete the Portland Cement Concrete Paving work, as indicated on the Plans and Details, as specified herein or both. B. Including but not necessarily limited to the following: 1. Concrete work for walls, pavements and curbs 2. Expansion, contraction, and construction joints. 3. Natural gray and colored concrete paving material. 4. Concrete finishing and curing. 1.3 RELATED WORK A. Section - Earthwork 1.4 SUBMITTALS: Comply with the requirements of Section - Submittals 1.5 QUALITY ASSURANCE A. Requirements of Regulatory Agencies: Perform work in accordance with local building and other applicable codes. B. Inspection and Testing: 1. Hardrock Aggregate: Test by approved testing laboratory in accordance with ASTM C33 2. Limestock Aggregate: Test by approved testing laboratory for conformance with local acceptable standards and specified requirements. a. Do not deliver aggregates (hardrock and limestock) to site, or to ready-mix plant, until pit source has been approved, and plant, capacity, and ability to produce a uniform and continuous product has been verified. b. Take samples from aggregate stockpiles assigned to Project. <th>PORTLAND CEMENT CONCRETE PAVING 2 A. General: Use ready-mixed concrete, batched, mixed, and transported in accordance with ASTM C94 unless otherwise indicated. B. Cement: For all concrete use domestic Portland cement that conforms to the requirements of ASTM C150-76a, Type I. C. Fine Aggregate: Hardrock - ASTM C33, consisting of washed sand having hard, strong, durable particles which do not contain more than one percent (1%) by weight of such deleterious substance as clay lumps, shale, schist, alkali, mica, coated grains or soft and fatty particles. D. Coarse Aggregate Hardrock: 1. Use clean, coarse limestone aggregate in accordance with ASTM C33-74a. E. Water: Clean and potable, free from deleterious amounts of acids, alkalis, salts, or organic matter. 2.2 CONCRETE MIXES A. It is intended that concrete for all parts of the concrete work be homogeneous, and when hardened, possess the required strength, durability, water-tightness, appearance, resistance to deterioration and abrasion, and other qualities as specified or required. B. It is also intended that all concrete of the same specified concrete mix shall match throughout the site. Concrete placed adjacent to concrete of the same specified mix that was placed in a previous pour shall be uniform in color to that concrete. C. Mix Proportions: Use only mixes designed by a laboratory selected or approved by Owner. Ready-mixed concrete shall be in accordance with ASTM C94. 1. For concrete curbs and sidewalks, provide concrete which will develop ultimate compressive strength at 28 days equal to 3,000 PSI. 2. For concrete pavement, provide concrete which will develop minimum compressive strength at 28 days equal to 3,000 PSI. 2.3 FORMWORK AND ACCESSORIES D. Entrained Air: All concrete which will be exposed to water or air shall be designed to entrain 4% to 6% air. E. Design Slumps: Slabs on Grade shall be four inches (4") plus/minus one inch (+1"). F. Concrete mix design shall be in accordance with ASTM C94. 2.3 CONCRETE ADMIXTURES A. Concrete Admixture Types: 1. ASTM C494, water reducing 2. ASTM C494, water reducing and retarding. <th>PORTLAND CEMENT CONCRETE PAVING 3 3. Test Cylinders - As per ASTM C-39 a. Minimum of three (3) concrete test cylinders shall be taken for every 75 or less cubic yards of concrete placed. b. Minimum of one (1) additional test cylinder shall be taken during any cold weather concreting, and be cured on job site under same conditions as the concrete it represents. c. Test cylinders all age of seven (7) days and twenty-eight (28) days. 1) Seven-day Strength: Not less than 60% of specified ultimate 28-day strength. d. Mix Adjustment: Should test results indicate concrete strength below specified seven-day or 28-day minimum requirements, laboratory will adjust mix proportions in future batches as necessary to achieve specified minimum requirements. e. Concrete Failures: Should test results show that concrete strength requirements for any portion of work falls below 28-day minimum requirements, secure core or prism specimens of hardened concrete and test in accordance with ASTM C42. 1) Laboratory will secure and test specimens under Owner's direction. 4. Slump Test - As per ASTM C-143: a. Minimum of one (1) slump test shall be taken for each set of test cylinders taken. C. Unless otherwise indicated, conform to all materials, workmanship and practice to the requirements of the following standards: 1. Florida Building Code (Latest Edition). 2. The following publications from the American Concrete Institute (ACI) - latest edition: Number/Title 211.1 Recommended Practice for Selecting Proportions for Normal Weight Concrete 211.2 Recommended Practice for Selecting Proportions for Structural Concrete 301 Specifications for Structural Concrete for Buildings 302 Recommended Practice for Concrete Floor and Slab Construction 304 Recommended Practice for Measuring, Mixing, Transporting Concrete <th>PORTLAND CEMENT CONCRETE PAVING 4 305 Hot Weather Concreting 306 Recommended Practice for Cold Weather Concreting 308 Recommended Practice for Curing Concrete 309 Recommended Practice for Consolidation of Concrete 318 Building Code Requirements for Reinforced Concrete 347 Recommended Practice for Concrete Formwork 3. American Society for Testing and Materials (ASTM) Standard: C31-49 Making and Curing Concrete Test Specimen in the Field C33-74 Concrete Aggregates C39-72 Compressive Strength of Cylindrical Concrete Specimens C42-68 Obtaining and Testing Drilled Cores and Sawn Beams of Concrete C94-74 Ready-Mixed Concrete C150-76a Portland Cement C171-69 Sheet Materials for Curing Concrete C172-71 Sampling Fresh Concrete C192-69 Making and Curing Concrete Test Specimens in the Laboratory C260-74 Air-Entraining Admixtures for Concrete C309-74 Liquid Membrane-Forming Compounds for Curing Concrete C330-75a Lightweight Aggregates for Structural Concrete C418 Test for Abrasion Resistance of Concrete by Sandblasting C494-71 Chemical Admixtures for Concrete C595-75 Blended Hydraulic Cements C518-73 Fly Ash and Row or Calcined Natural Pozzolan for Use as an Admixture C603 Penetration Resistance of Hardened Concrete C605 Rebound Number of Hardened Concrete <th>PORTLAND CEMENT CONCRETE PAVING 5 C823 Examination and Sampling of Hardened Concrete in Construction D. Minimum provisions of pertinent codes and standards conflict with this specification, the more stringent provisions govern. 1.5 QUALIFICATIONS OF WORKMEN A. Provide at least one (1) person at all times during execution of this portion of the work who is thoroughly trained and experienced in placing the types of concrete specified to direct all work performed under this section. For finishing of exposed surfaces of the concrete, use only thoroughly trained and experienced journeyman concrete finishers. 1.6 PLANT QUALIFICATION A. Meet all requirements of the Check List for Certification of Ready Mix Concrete Production Facilities of the National Ready Mixed Concrete Association and ASTM C94. 1.7 SUBMITTALS A. Procedures: Submit shop drawings in accordance with the General Requirements of the Owner-Construction Management Contract. B. Test Reports: Report of concrete compression, yield and slump tests. C. Certificates: 1. Submit manufacturer's certification that concrete mix materials meet specified requirements. 2. Material content per cubic yard of each class of concrete furnished: a. Dry weights of cement. b. Saturated surface-dried weights of fine and coarse aggregate. c. Quantities, type and name of admixtures. d. Weight of water. 3. Ready-mix delivery tickets, ASTM C94. D. Product Data: Manufacturer's product literature and application/installation procedures for all products intended for use in the work such as, but not limited to, joint sealants, admixtures, and curing materials. E. Submit shop drawings and the following to Architect: 1. Plant Qualifications: Submit satisfactory evidence indicating compliance with the specified qualification requirements. 2. Materials: Submit satisfactory evidence indicating that all materials listed in Part 2 meet the specified requirements. 3. Design Mix: Submit the design mix to be used for review prior to placing of concrete. The design of the mix is the responsibility of the Contractor, subject to <th>PORTLAND CEMENT CONCRETE PAVING 6 the limitations of the specifications. F. Do not place concrete until submittals have been approved by the Architect. 1.8 TRANSMIT-MIX DELIVERY SLIPS A. Keep a record of the job site showing time and place of each pour of concrete, together with transmit-mix delivery slips certifying contents of the pour. Make the record available to the Architect for his inspection upon request. Upon completion of each portion of the work, deliver the record to the delivery site to the Architect. 1.9 DELIVERY, STORAGE AND HANDLING A. Deliver materials in manufacturer's original containers, clearly labeled with manufacturer's name and address and product identification. B. Store materials in original containers protected from direct contact with the ground and from the elements. 1.10 JOB CONDITIONS A. Allowable concrete temperatures: 1. Hot Weather: Maximum 90 Degrees F as per ASTM C-94 and ACI 305. 2. Cold Weather: In accordance with ACI 306. B. Do not place concrete during rain, unless adequate protection is provided. C. Grade Control: Establish and maintain the existing lines and grades, including curb and cross-slopes as indicated on the drawings. All concrete surfaces must positively drain toward drainage structures. Any pavement surface which does not positively drain or allows water to pond shall be removed and replaced by the contractor at no additional cost to the Owner. D. Maintain temperature of concrete above 50 Degrees F for seven (7) days after placing. Protect work against frost and rapid drying. E. Traffic Control: 1. Restrict vehicular and pedestrian traffic during all paving operations, as required for other construction activities. Obtain Owner approval prior to restoring any traffic. 2. Provide flagmen, barricade, warning signs, and warning lights for movement of traffic and safety, and to cause the least interruption of work. PART II - PRODUCTS 2.1 CONCRETE MATERIALS </th></th></th></th></th>	PORTLAND CEMENT CONCRETE PAVING 2 A. General: Use ready-mixed concrete, batched, mixed, and transported in accordance with ASTM C94 unless otherwise indicated. B. Cement: For all concrete use domestic Portland cement that conforms to the requirements of ASTM C150-76a, Type I. C. Fine Aggregate: Hardrock - ASTM C33, consisting of washed sand having hard, strong, durable particles which do not contain more than one percent (1%) by weight of such deleterious substance as clay lumps, shale, schist, alkali, mica, coated grains or soft and fatty particles. D. Coarse Aggregate Hardrock: 1. Use clean, coarse limestone aggregate in accordance with ASTM C33-74a. E. Water: Clean and potable, free from deleterious amounts of acids, alkalis, salts, or organic matter. 2.2 CONCRETE MIXES A. 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Minimum provisions of pertinent codes and standards conflict with this specification, the more stringent provisions govern. 1.5 QUALIFICATIONS OF WORKMEN A. Provide at least one (1) person at all times during execution of this portion of the work who is thoroughly trained and experienced in placing the types of concrete specified to direct all work performed under this section. For finishing of exposed surfaces of the concrete, use only thoroughly trained and experienced journeyman concrete finishers. 1.6 PLANT QUALIFICATION A. Meet all requirements of the Check List for Certification of Ready Mix Concrete Production Facilities of the National Ready Mixed Concrete Association and ASTM C94. 1.7 SUBMITTALS A. Procedures: Submit shop drawings in accordance with the General Requirements of the Owner-Construction Management Contract. B. Test Reports: Report of concrete compression, yield and slump tests. C. Certificates: 1. Submit manufacturer's certification that concrete mix materials meet specified requirements. 2. Material content per cubic yard of each class of concrete furnished: a. Dry weights of cement. b. Saturated surface-dried weights of fine and coarse aggregate. c. Quantities, type and name of admixtures. d. Weight of water. 3. Ready-mix delivery tickets, ASTM C94. D. Product Data: Manufacturer's product literature and application/installation procedures for all products intended for use in the work such as, but not limited to, joint sealants, admixtures, and curing materials. E. Submit shop drawings and the following to Architect: 1. Plant Qualifications: Submit satisfactory evidence indicating compliance with the specified qualification requirements. 2. Materials: Submit satisfactory evidence indicating that all materials listed in Part 2 meet the specified requirements. 3. Design Mix: Submit the design mix to be used for review prior to placing of concrete. The design of the mix is the responsibility of the Contractor, subject to <th>PORTLAND CEMENT CONCRETE PAVING 6 the limitations of the specifications. F. Do not place concrete until submittals have been approved by the Architect. 1.8 TRANSMIT-MIX DELIVERY SLIPS A. Keep a record of the job site showing time and place of each pour of concrete, together with transmit-mix delivery slips certifying contents of the pour. Make the record available to the Architect for his inspection upon request. Upon completion of each portion of the work, deliver the record to the delivery site to the Architect. 1.9 DELIVERY, STORAGE AND HANDLING A. Deliver materials in manufacturer's original containers, clearly labeled with manufacturer's name and address and product identification. B. Store materials in original containers protected from direct contact with the ground and from the elements. 1.10 JOB CONDITIONS A. Allowable concrete temperatures: 1. 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Concrete Failures: Should test results show that concrete strength requirements for any portion of work falls below 28-day minimum requirements, secure core or prism specimens of hardened concrete and test in accordance with ASTM C42. 1) Laboratory will secure and test specimens under Owner's direction. 4. Slump Test - As per ASTM C-143: a. Minimum of one (1) slump test shall be taken for each set of test cylinders taken. C. Unless otherwise indicated, conform to all materials, workmanship and practice to the requirements of the following standards: 1. Florida Building Code (Latest Edition). 2. The following publications from the American Concrete Institute (ACI) - latest edition: Number/Title 211.1 Recommended Practice for Selecting Proportions for Normal Weight Concrete 211.2 Recommended Practice for Selecting Proportions for Structural Concrete 301 Specifications for Structural Concrete for Buildings 302 Recommended Practice for Concrete Floor and Slab Construction 304 Recommended Practice for Measuring, Mixing, Transporting Concrete <th>PORTLAND CEMENT CONCRETE PAVING 4 305 Hot Weather Concreting 306 Recommended Practice for Cold Weather Concreting 308 Recommended Practice for Curing Concrete 309 Recommended Practice for Consolidation of Concrete 318 Building Code Requirements for Reinforced Concrete 347 Recommended Practice for Concrete Formwork 3. 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Minimum provisions of pertinent codes and standards conflict with this specification, the more stringent provisions govern. 1.5 QUALIFICATIONS OF WORKMEN A. Provide at least one (1) person at all times during execution of this portion of the work who is thoroughly trained and experienced in placing the types of concrete specified to direct all work performed under this section. For finishing of exposed surfaces of the concrete, use only thoroughly trained and experienced journeyman concrete finishers. 1.6 PLANT QUALIFICATION A. Meet all requirements of the Check List for Certification of Ready Mix Concrete Production Facilities of the National Ready Mixed Concrete Association and ASTM C94. 1.7 SUBMITTALS A. Procedures: Submit shop drawings in accordance with the General Requirements of the Owner-Construction Management Contract. B. Test Reports: Report of concrete compression, yield and slump tests. C. Certificates: 1. 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It is intended that concrete for all parts of the concrete work be homogeneous, and when hardened, possess the required strength, durability, water-tightness, appearance, resistance to deterioration and abrasion, and other qualities as specified or required. B. It is also intended that all concrete of the same specified concrete mix shall match throughout the site. Concrete placed adjacent to concrete of the same specified mix that was placed in a previous pour shall be uniform in color to that concrete. C. Mix Proportions: Use only mixes designed by a laboratory selected or approved by Owner. Ready-mixed concrete shall be in accordance with ASTM C94. 1. For concrete curbs and sidewalks, provide concrete which will develop ultimate compressive strength at 28 days equal to 3,000 PSI. 2. For concrete pavement, provide concrete which will develop minimum compressive strength at 28 days equal to 3,000 PSI. 2.3 FORMWORK AND ACCESSORIES D. Entrained Air: All concrete which will be exposed to water or air shall be designed to entrain 4% to 6% air. E. Design Slumps: Slabs on Grade shall be four inches (4") plus/minus one inch (+1"). F. Concrete mix design shall be in accordance with ASTM C94. 2.3 CONCRETE ADMIXTURES A. Concrete Admixture Types: 1. ASTM C494, water reducing 2. ASTM C494, water reducing and retarding.	A. General: Use ready-mixed concrete, batched, mixed, and transported in accordance with ASTM C94 unless otherwise indicated. B. Cement: For all concrete use domestic Portland cement that conforms to the requirements of ASTM C150-76a, Type I. C. Fine Aggregate: Hardrock - ASTM C33, consisting of washed sand having hard, strong, durable particles which do not contain more than one percent (1%) by weight of such deleterious substance as clay lumps, shale, schist, alkali, mica, coated grains or soft and fatty particles. D. Coarse Aggregate Hardrock: 1. 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M. Coordinate work of other sections in forming and setting openings, slabs, recesses, sleeves, bells, anchors, and other embedded items. N. Install accessories in accordance with manufacturer's instructions, level and plumb. Ensure items are not disturbed during concrete placement. O. Do not remove forms and shoring until concrete has sufficient strength to support its own weight, and construction and design loads which may be imposed upon it. Remove load supporting forms when concrete has attained seventy-five percent (75%) of required 28-day compressive strength, provided construction is re-shored. 3.5 JOINTS (EXPANSION, CONTRACTION, AND CONTRACTION) A. Form expansion joints one-half inch (1/2") thick with a preformed joint filler. Expansion joints to be located as indicated on plans. Expansion joint to be full depth of slab at post location. Recess joint filler one-half inch (1/2") from surface. B. Construct dowelled expansion joints as designated on the drawings and in the specifications. Insert one end of dowel in Schedule 40 PVC pipe and cap so concrete does not bond to dowel in order to permit horizontal movement. Dowels shall be installed level, parallel to one another, parallel to the length of the slab, and positioned as detailed at one-half of the slab's thickness. The expansion joint material shall be centered over the mid-length of the dowels, and installed as specified above. In order to meet the foregoing requirements, use fabricated dowel baskets placed directly on the subgrade as recommended. Contractor shall submit shop drawings of dowel basket for approval if used. C. Construct pour joints (construction joints) at any break in concrete placement lasting more than one (1) hour. 1. Construction pours shall be continuous pours except where joints are indicated. No additional joints other than those shown in plans are allowed. 2. Key all pour joints. 3. Pour joints may be substituted for control joints when treated as part of paving design as indicated on plans. D. Construct control joints (contraction joints) at locations indicated on plans. 1. For four-inch (4") depth concrete slabs on grade, saw cut control joints shall be one-quarter inch (1/4") width and one inch (1") in depth. 2. For eight-inch (8") depth concrete slabs on grade, saw-cut control joints shall be one-quarter inch (1/4") width and two-inch (2") depth. 3. Form open-type contraction joints by making a metal bulkhead in place and depositing the concrete on both sides. After the concrete has set sufficiently to preserve the width and shape of the joint, remove the bulkhead. Finish joint to match appearance of saw cut.	A. General: Use ready-mixed concrete, batched, mixed, and transported in accordance with ASTM C94 unless otherwise indicated. B. Cement: For all concrete use domestic Portland cement that conforms to the requirements of ASTM C150-76a, Type I. C. Fine Aggregate: Hardrock - ASTM C33, consisting of washed sand having hard, strong, durable particles which do not contain more than one percent (1%) by weight of such deleterious substance as clay lumps, shale, schist, alkali, mica, coated grains or soft and fatty particles. D. Coarse Aggregate Hardrock: 1. Use clean, coarse limestone aggregate in accordance with ASTM C33-74a. E. Water: Clean and potable, free from deleterious amounts of acids, alkalis, salts, or organic matter. 2.2 CONCRETE MIXES A. It is intended that concrete for all parts of the concrete work be homogeneous, and when hardened, possess the required strength, durability, water-tightness, appearance, resistance to deterioration and abrasion, and other qualities as specified or required. B. It is also intended that all concrete of the same specified concrete mix shall match throughout the site. Concrete placed adjacent to concrete of the same specified mix that was placed in a previous pour shall be uniform in color to that concrete. C. Mix Proportions: Use only mixes designed by a laboratory selected or approved by Owner. Ready-mixed concrete shall be in accordance with ASTM C94. 1. For concrete curbs and sidewalks, provide concrete which will develop ultimate compressive strength at 28 days equal to 3,000 PSI. 2. For concrete pavement, provide concrete which will develop minimum compressive strength at 28 days equal to 3,000 PSI. 2.3 FORMWORK AND ACCESSORIES D. Entrained Air: All concrete which will be exposed to water or air shall be designed to entrain 4% to 6% air. E. Design Slumps: Slabs on Grade shall be four inches (4") plus/minus one inch (+1"). F. Concrete mix design shall be in accordance with ASTM C94. 2.3 CONCRETE ADMIXTURES A. Concrete Admixture Types: 1. ASTM C494, water reducing 2. ASTM C494, water reducing and retarding.	A. 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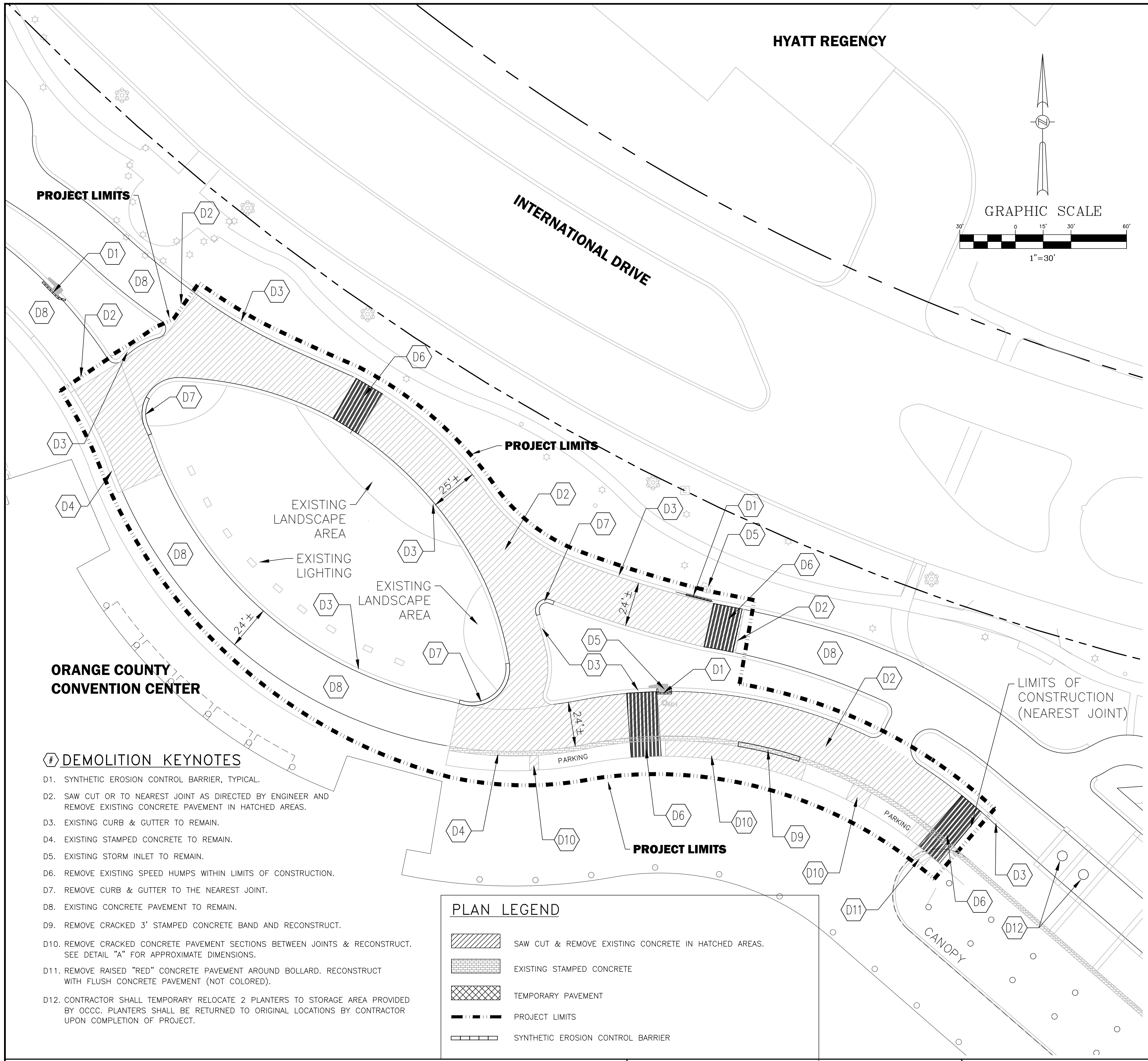
PROJECT NAME	FEG PROJECT NO.	OCCC NO.
CONVENTION CENTER DRIVEWAY IMPROVEMENT	12-019; TA-16-001	

## GENERAL NOTES AND SPECIFICATIONS

SCALE:  
N.T.S.  
SHEET  
4 OF 8

ENDING SECTION  
DEFECTIVE CONCRETE  
The concrete pavement shall be covered with plastic sheeting for the duration of the curing process. The concrete shall be hard enough to prevent damage from this pavement.





**EROSION CONTROL NOTES:**

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, & LOCAL CODES, ORDINANCES, & REGULATIONS GOVERNING POLLUTION OF THE ENVIRONMENT & SHALL IMPLEMENT ALL MEASURES NEEDED TO ENSURE ADEQUATE EROSION & SEDIMENT CONTROL DURING THE ENTIRE DURATION OF CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES SHALL CONFORM TO ORANGE COUNTY, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, & FLORIDA DEPARTMENT OF TRANSPORTATION REQUIREMENTS. INSTALLATION OF SILT FENCES & TURBIDITY BARRIERS SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS & STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
2. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. EROSION & SEDIMENT CONTROL MEASURES ARE TO BE APPLIED AS A PERIMETER DEFENSE AGAINST THE TRANSPORTATION OF SILT & SEDIMENTS OFF THE PROJECT SITE OR INTO ADJACENT WATER BODIES OR WETLANDS.
3. THE CONTRACTOR SHALL PREPARE & IMPLEMENT AN EROSION CONTROL PLAN AS PART OF THE SCOPE OF WORK COVERED BY THESE PLANS. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION & SEDIMENT TRANSPORT DURING CONSTRUCTION. THE FLORIDA DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND & WATER MANAGEMENT" MAY BE USED AS REFERENCE FOR RECOMMENDED BEST MANAGEMENT PRACTICES RELATED TO EROSION & SEDIMENT CONTROL.
4. ALL EROSION & SEDIMENT CONTROL MEASURES WHICH ARE NECESSARY TO LIMIT THE TRANSPORT OF SILTS & SEDIMENTS TO OUTSIDE THE LIMITS OF THE WORK AREA OR TO WATER BODIES OR WETLANDS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE BEST MANAGEMENT PRACTICES & IMPLEMENT STRUCTURAL MEASURES AS NEEDED TO PREVENT EROSION & SEDIMENT TRANSPORT FROM THE WORK AREAS. THE FOLLOWING ARE MINIMUM RECOMMENDED GUIDELINES TO BE IMPLEMENTED DURING CONSTRUCTION AS PART OF THE EROSION & SEDIMENT CONTROL PLAN:
  - A. STOCKPILING OF MATERIAL  
NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
  - B. EXPOSED AREA LIMITATION & PROTECTION  
THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING & GRUBBING OPERATIONS OR EXCAVATION & FILLING OPERATIONS SHALL BE LIMITED AS NEEDED TO MINIMIZE THE POTENTIAL OF OFF-SITE SEDIMENT TRANSPORT. ALL EXPOSED AREAS SHALL BE PROTECTED BY INSTALLING EFFECTIVE EROSION & SEDIMENT CONTROL MEASURES SUCH AS SILT SCREENS, SYNTHETIC BALES, TURBIDITY BARRIERS, SWALES, OR A COMBINATION OF THESE & OTHER MEASURES AS WARRANTED.
  - C. INLET PROTECTION  
INLETS & CATCH BASINS SHALL BE PROTECTED DURING CONSTRUCTION FROM SEDIMENT LADEN STORMWATER RUNOFF BY PROVIDING A COMBINATION OF SILT SCREENS, SYNTHETIC BALES, FILTER FABRIC COVERS OR OTHER MEASURES AS NECESSARY TO CONTROL THE TRANSPORT OF SEDIMENT.
  - D. MAINTENANCE  
EROSION & SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE ENTIRE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE EROSION & CONTROL MEASURES ON A WEEKLY BASIS & 24 HOURS FOLLOWING RAINFALL EVENTS (0.5" OR GREATER) & IMMEDIATELY REPAIR ANY OBSERVED DAMAGED CONTROLS. ALL EROSION & SEDIMENT CONTROLS SHALL BE MAINTAINED AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.

**DEMOLITION NOTES**

1. THE LOCATIONS, ELEVATIONS, & DIMENSIONS OF EXISTING UTILITIES & OTHER FEATURES ARE SHOWN ON THE PLANS ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PLAN PREPARATION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, & DIMENSIONS OF ALL EXISTING UTILITIES & OTHER FEATURES AFFECTING THE WORK PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROPOSED WORK.
2. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BEFORE EXCAVATION.
3. THE CONTRACTOR SHALL, PRIOR TO INITIATION OF ANY SITE CLEARING OR OTHER CONSTRUCTION ACTIVITIES, INSTALL SEDIMENT BARRIERS AT INLETS WHICH HAVE POTENTIAL OF EROSION OR SEDIMENT TRANSPORT OFFSITE OR TO WATER BODIES. THE CONTRACTOR SHALL IMPLEMENT OTHER STRUCTURAL EROSION CONTROL MEASURES IF REQUIRED TO PREVENT SEDIMENT TRANSPORT TO OFF-SITE AREAS & WATER BODIES.
4. ALL TRASH, DEBRIS, & OTHER MATERIAL REMOVED FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE, & FEDERAL REGULATIONS.
5. ALL EXISTING CONCRETE TO BE REMOVED SHALL BE SAWCUT & REMOVED @ THE FIRST AVAILABLE GOOD JOINT & REPLACED TO MATCH EXISTING.
6. THE CONTRACTOR SHALL PROTECT ALL MANHOLES & INLET STRUCTURES AND SHALL BE RESPONSIBLE FOR REPAIR DUE TO ANY DAMAGE DURING CONSTRUCTION.

**PROJECT LIMITS**

**INTERNATIONAL DRIVE**

**HYATT REGENCY**

**GRAPHIC SCALE**

1"=30'

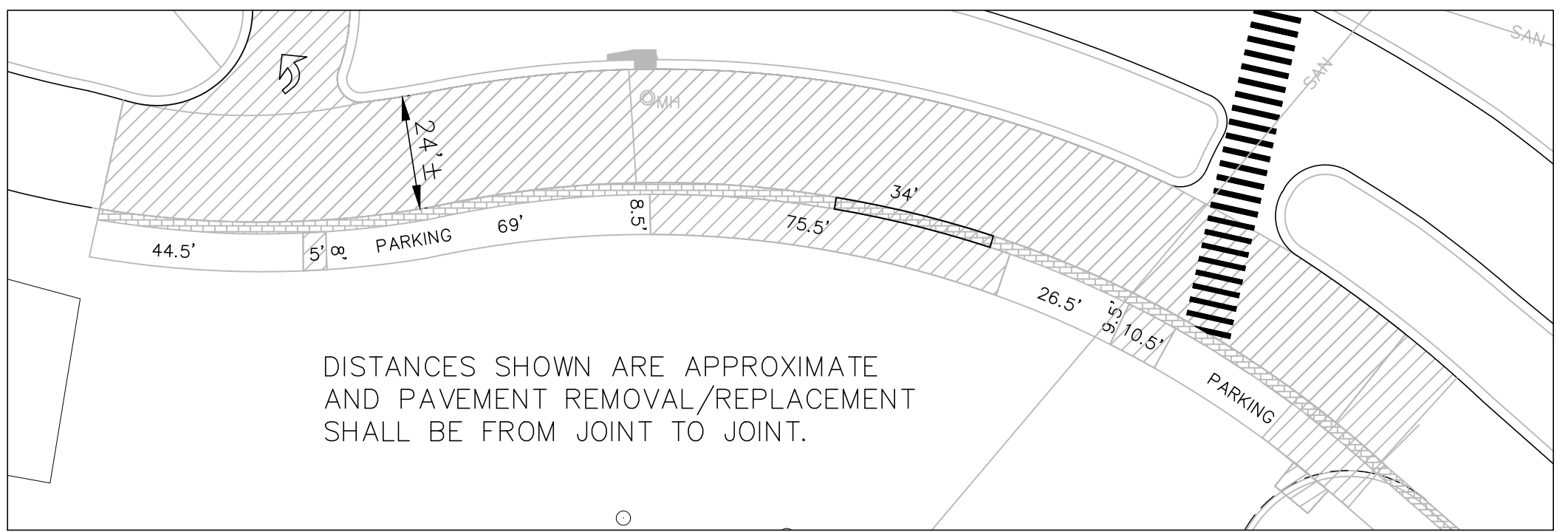
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**DEMOLITION KEYNOTES**

- D1. SYNTHETIC EROSION CONTROL BARRIER, TYPICAL.
- D2. SAW CUT OR TO NEAREST JOINT AS DIRECTED BY ENGINEER AND REMOVE EXISTING CONCRETE PAVEMENT IN HATCHED AREAS.
- D3. EXISTING CURB & GUTTER TO REMAIN.
- D4. EXISTING STAMPED CONCRETE TO REMAIN.
- D5. EXISTING STORM INLET TO REMAIN.
- D6. REMOVE EXISTING SPEED HUMPS WITHIN LIMITS OF CONSTRUCTION.
- D7. REMOVE CURB & GUTTER TO THE NEAREST JOINT.
- D8. EXISTING CONCRETE PAVEMENT TO REMAIN.
- D9. REMOVE CRACKED 3' STAMPED CONCRETE BAND AND RECONSTRUCT.
- D10. REMOVE CRACKED CONCRETE PAVEMENT SECTIONS BETWEEN JOINTS & RECONSTRUCT. SEE DETAIL "A" FOR APPROXIMATE DIMENSIONS.
- D11. REMOVE RAISED "RED" CONCRETE PAVEMENT AROUND BOLLARD. RECONSTRUCT WITH FLUSH CONCRETE PAVEMENT (NOT COLORED).
- D12. CONTRACTOR SHALL TEMPORARY RELOCATE 2 PLANTERS TO STORAGE AREA PROVIDED BY OCCC. PLANTERS SHALL BE RETURNED TO ORIGINAL LOCATIONS BY CONTRACTOR UPON COMPLETION OF PROJECT.

**PLAN LEGEND**

- SAW CUT & REMOVE EXISTING CONCRETE IN HATCHED AREAS.
- EXISTING STAMPED CONCRETE
- TEMPORARY PAVEMENT
- PROJECT LIMITS
- SYNTHETIC EROSION CONTROL BARRIER



**DETAIL "A"**  
**PARKING LANE AND STAMPED CONCRETE REMOVAL**

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PROJECT NAME	FEG PROJECT NO.	OCCC NO.
CONVENTION CENTER DRIVEWAY IMPROVEMENT	12-019; TA-16-001	

<b>SITE DEMOLITION &amp; STORMWATER POLLUTION PREVENTION PLAN</b>	
SCALE: 1"=30'	
SHEET 5 OF 8	

HYATT REGENCY

INTERNATIONAL DRIVE

**ORANGE COUNTY CONVENTION CENTER  
HALL C (MAIN LOBBY)**

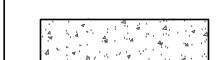
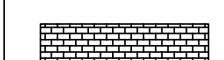

**# SITE CONSTRUCTION KEYNOTES**

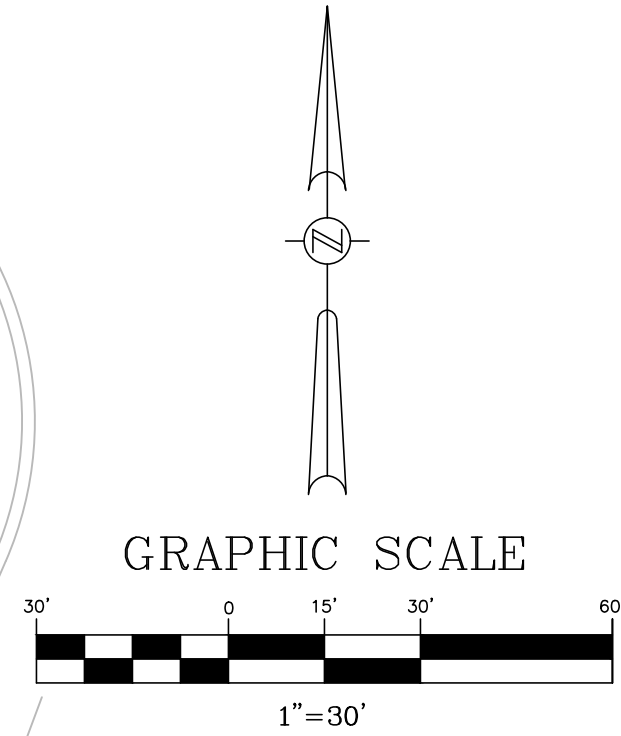
- C1. CONCRETE PAVEMENT.
- C2. EXISTING CURB & GUTTER TO REMAIN.
- C3. EXISTING STAMPED CONCRETE TO REMAIN.
- C3A. EXISTING STAMPED CONCRETE TO BE REPLACED.
- C4. EXISTING STORM INLET TO REMAIN.
- C5. NEW SPEED HUMPS PER DETAIL ON SHEETS 3 AND 7.
- C6. EXISTING CONCRETE PAVEMENT TO REMAIN.
- C7. EXISTING LIGHT POLE TO REMAIN.
- C8. CONSTRUCT CONCRETE CURB & GUTTER, FDOT TYPE "F".

**# GRADING KEYNOTES**

- G1. MATCH EXISTING PAVEMENT GRADE AT PROJECT ENDS AND GUTTER ALONG ENTIRE PROJECT LIMITS.

**PLAN LEGEND**

-  NEW CONCRETE PAVEMENT IN HATCHED AREAS.
-  SPEED BUMP STAMPED PAVEMENT
-  PROJECT LIMITS



UTILITIES COMPANIES:

- ORLANDO UTILITY COMMISSION
- ORANGE COUNTY UTILITIES
- CENTURY LINK

UTILITIES SHOWN ARE BASED UPON OCCC PLANS OR FIELD LOCATES BY UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES WITHIN THE PROJECT AREA PRIOR TO CONSTRUCTION.

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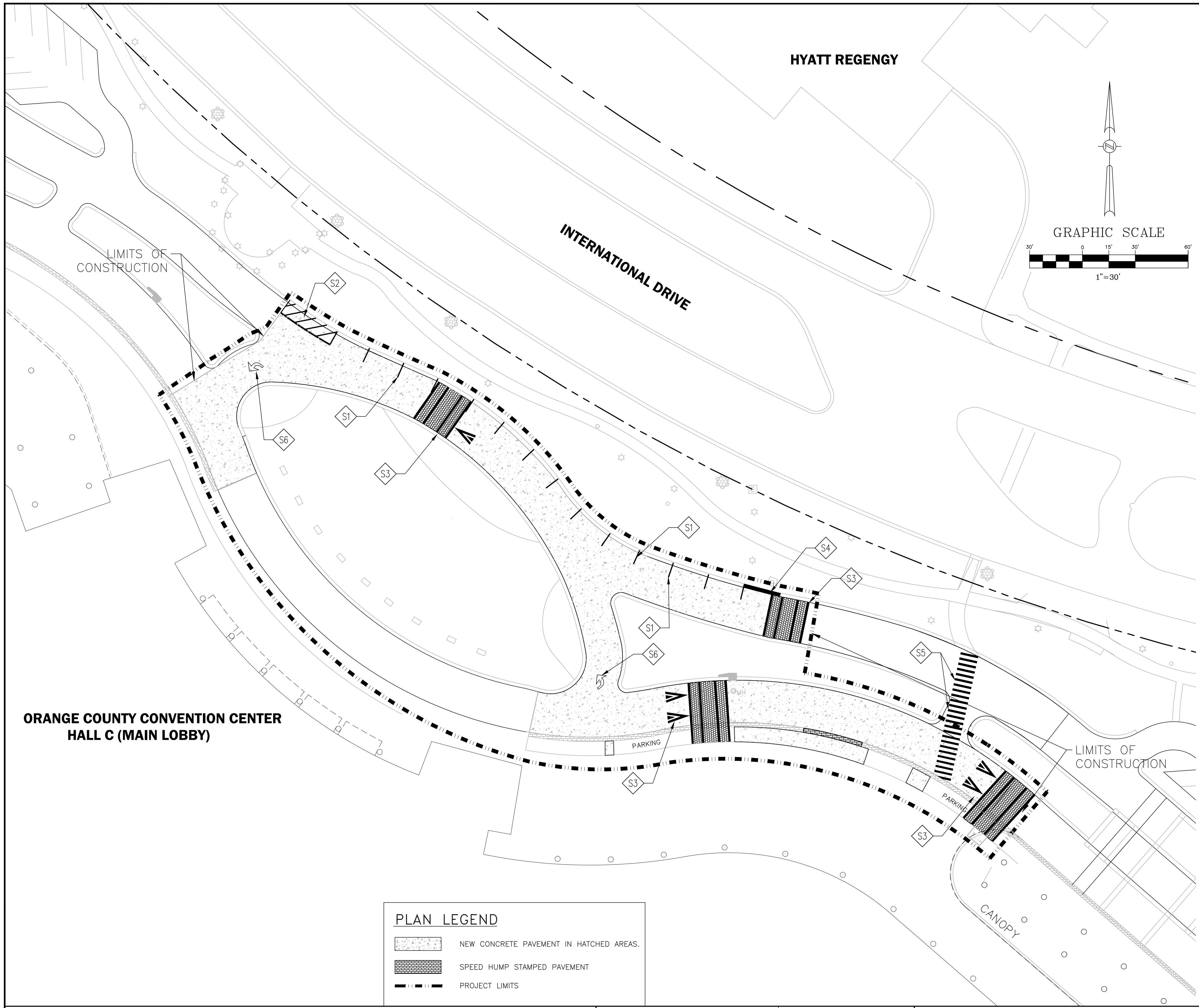
<b>ORANGE COUNTY CONVENTION CENTER</b>		
PROJECT NAME	FEG PROJECT NO.	OCCC NO.
CONVENTION CENTER DRIVEWAY IMPROVEMENT	12-019; TA-16-001	

**SITE GEOMETRY - PAVING PLAN**

SCALE:  
1"=30'

SHEET  
6 OF 8

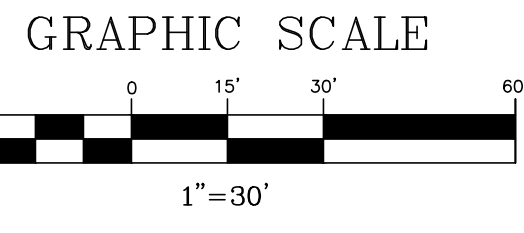




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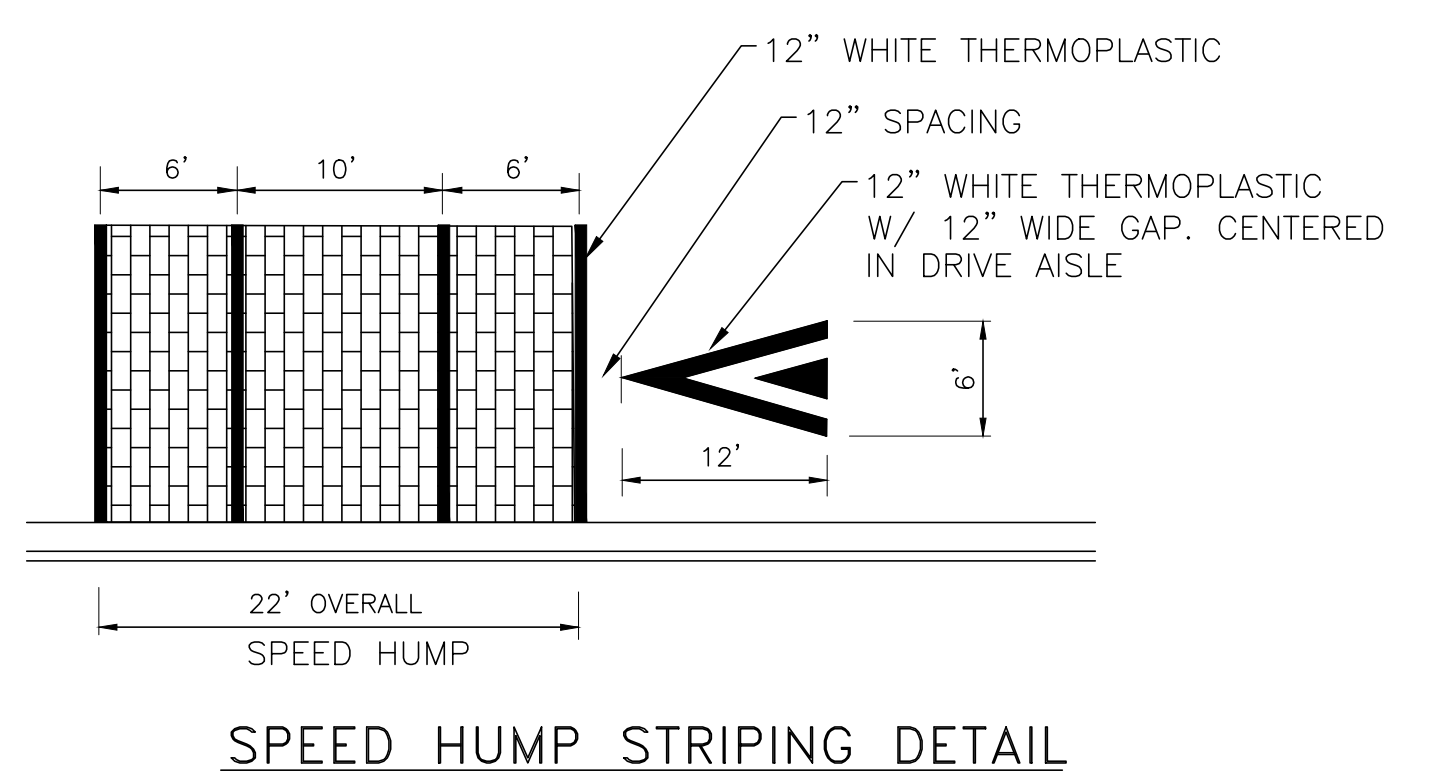
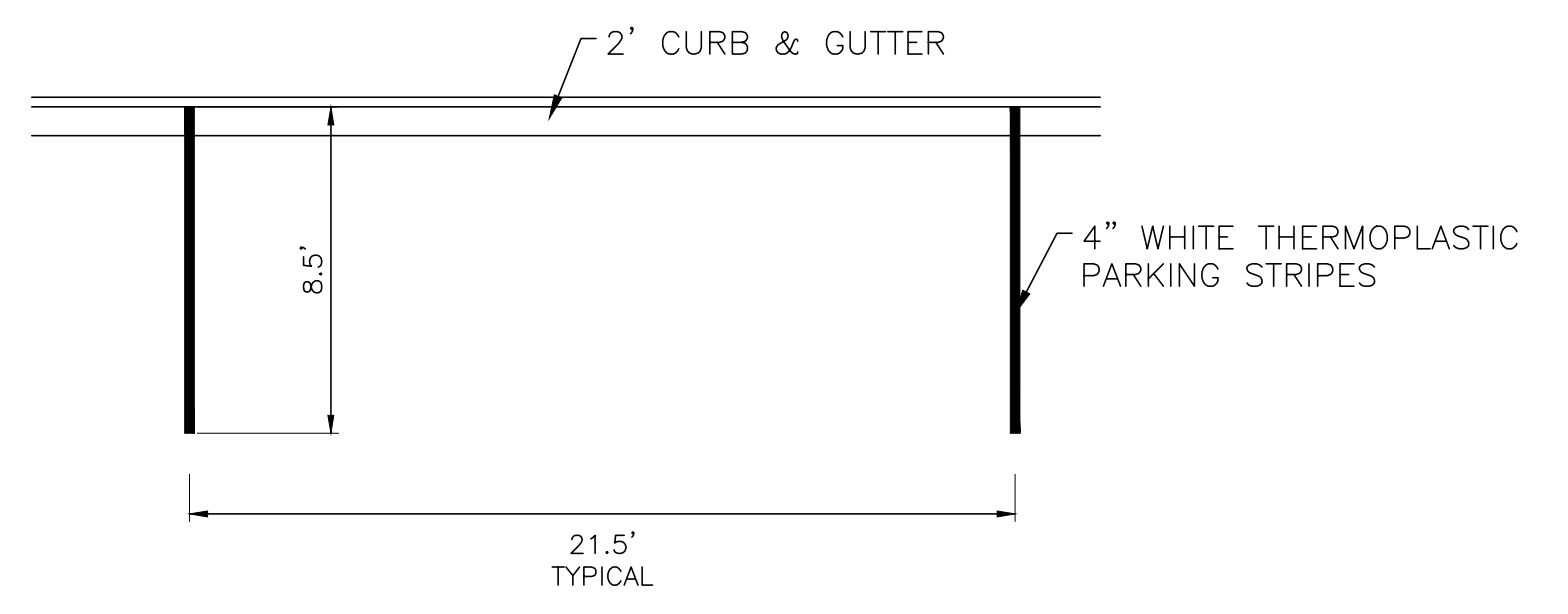
INTERNATIONAL DRIVE

ORANGE COUNTY CONVENTION CENTER  
HALL C (MAIN LOBBY)



**◆ SITE STRIPING & SIGNAGE KEYNOTES**

- S1. 4" WHITE THERMOPLASTIC PARKING STRIPES, MATCH EXISTING STRIPING LOCATIONS.
- S2. 8" YELLOW OUTLINE AND 4" YELLOW DIAGONALS ON 5' CENTERS AT PAY STATION (THERMOPLASTIC).
- S3. SPEED HUMP STRIPES (12" WHITE THERMOPLASTIC) WITH APPROACH CHEVRON (SEE DETAIL).
- S4. 24" YELLOW THERMOPLASTIC STRIPE (IN FRONT OF INLET).
- S5. 10' WIDE SPECIAL EMPHASIS CROSSWALK STRIPING, WHITE THERMOPLASTIC PER F.D.O.T. INDEX No. 17346, TYPICAL.
- S6. DIRECTIONAL ARROW, WHITE THERMOPLASTIC.



**PLAN LEGEND**

	NEW CONCRETE PAVEMENT IN HATCHED AREAS.
	SPEED HUMP STAMPED PAVEMENT
	PROJECT LIMITS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

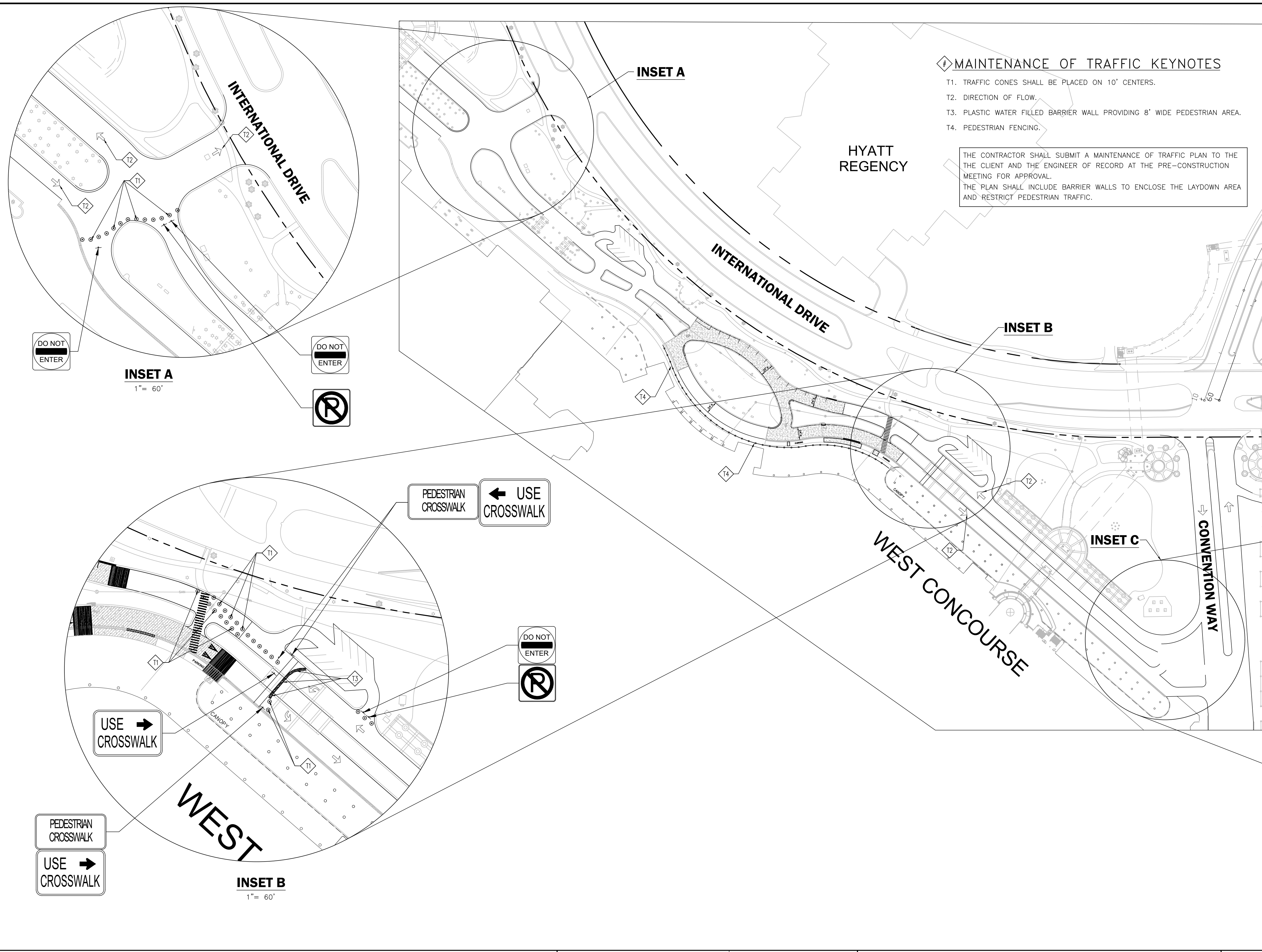


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<b>SITE PAVEMENT MARKING PLAN</b>	
SCALE: 1" = 30'	
SHEET 7 OF 8	

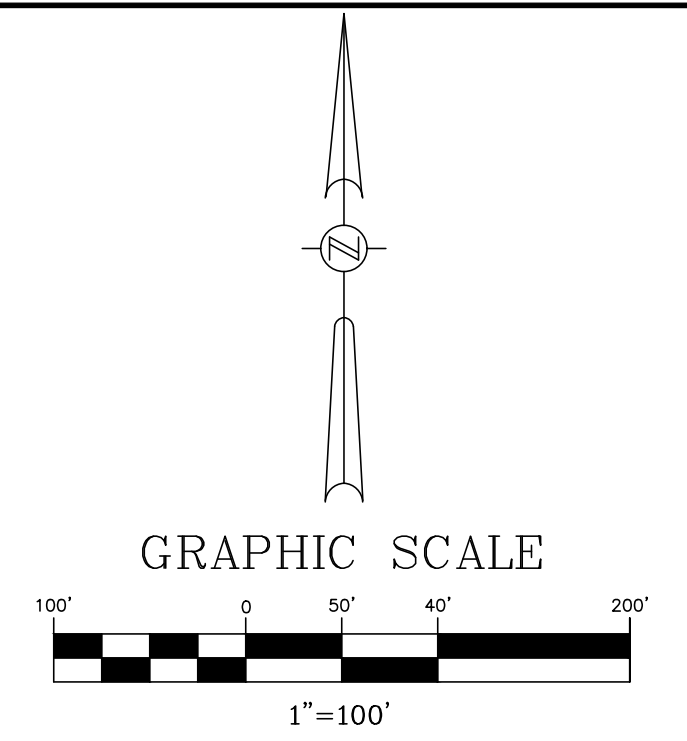




**MAINTENANCE OF TRAFFIC KEYNOTES**

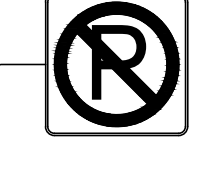
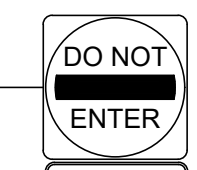
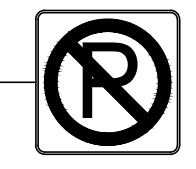
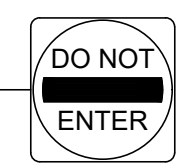
- T1. TRAFFIC CONES SHALL BE PLACED ON 10' CENTERS.
- T2. DIRECTION OF FLOW.
- T3. PLASTIC WATER FILLED BARRIER WALL PROVIDING 8' WIDE PEDESTRIAN AREA.
- T4. PEDESTRIAN FENCING.

THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CLIENT AND THE ENGINEER OF RECORD AT THE PRE-CONSTRUCTION MEETING FOR APPROVAL. THE PLAN SHALL INCLUDE BARRIER WALLS TO ENCLOSE THE LAYDOWN AREA AND RESTRICT PEDESTRIAN TRAFFIC.



**LEGEND**

- WORK AREA
- DIRECTION OF FLOW (NOT PAVEMENT ARROW)
- TRAFFIC CONES
- "NO PARKING" SIGN
- BARRIER WALL
- TYPICAL PEDESTRIAN FENCING



**INSET A**  
1" = 60'

**INSET B**  
1" = 60'

**INSET C**  
1" = 60'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



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<b>ORANGE COUNTY CONVENTION CENTER</b>		
PROJECT NAME	FEG PROJECT NO.	OCCC NO.
CONVENTION CENTER DRIVEWAY IMPROVEMENT	12-019; TA-16-001	

<b>MAINTENANCE OF TRAFFIC PLAN</b>	
SCALE: 1" = 100'	
SHEET 8 OF 8	