ORANGE COUNTY CONVENTION CENTER PAVEMENT REHABILITATION

ORANGE COUNTY MAYOR MS. TERESA JACOBS

DISTRICT 1 COMMISSIONER MR. S. SCOTT BOYD

ISSUE DATE

SHEET INDEX

SURVEY

1 of 4	MAP OF TOPOGRAPHIC SURVEY	APRIL 19, 2012
$2 \circ f 4$	MAP OF TOPOGRAPHIC SURVEY	APRIL 19, 2012
2 of 4	MAP OF TOPOGRAPHIC SURVEY	APRIL 19, 2012
4 of 4	MAP OF TOPOGRAPHIC SURVEY	APRIL 19, 2012

<u>CIVIL ENGINEERING</u>

C000	COVER SHEET AND VICINITY MAP	DECEMBER 11, 2012
CØØ1	GENERAL NOTES	DECEMBER II, 2012
CØØ2	SUMMARY OF PAY ITEMS	DECEMBER II, 2012
CIØI	DEMOLITION AND EROSION PREVENTION PLAN	DECEMBER II, 2012
C1Ø2	MAINTENANCE OF TRAFFIC PLAN	DECEMBER II, 2012
C2Ø1	SITE AND GEOMETRY PLAN	DECEMBER 11, 2012
C3Ø1	SIGNING AND PAVEMENT MARKING PLAN	DECEMBER 11, 2012
C4Ø1	GRADING AND DRAINAGE PLAN	DECEMBER 11, 2012
C6Ø1	CIVIL DETAILS	DECEMBER 11, 2012
C7Ø1	DRAINAGE DETAILS	DECEMBER 11, 2012

LEGAL DESCRIPTION:

PART OF SECTION 1, TOWNSHIP 24 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.

9800 INTERNATIONAL DRIVE ORLANDO, FLORIDA 32819 ORANGE COUNTY PARCEL IDENTIFICATION NO. 1-24-28-7150-01-000

> DISTRICT 2 COMMISSIONER MR. FREDRICK BRUMMER

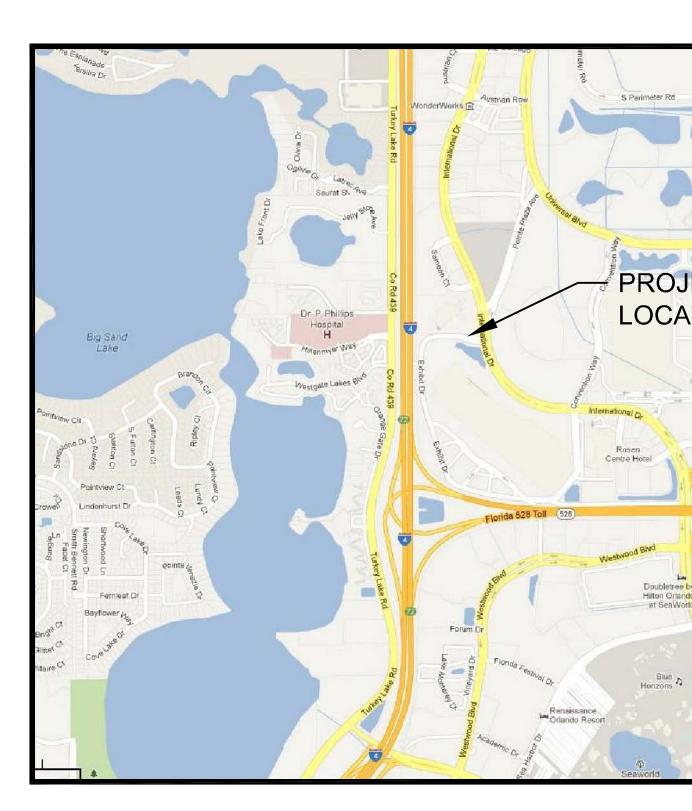


DISTRICT 3 COMMISSIONER MR. JOHN MARTINEZ

DISTRICT 4 COMMISSIONER MS. JENNIFER THOMPSON

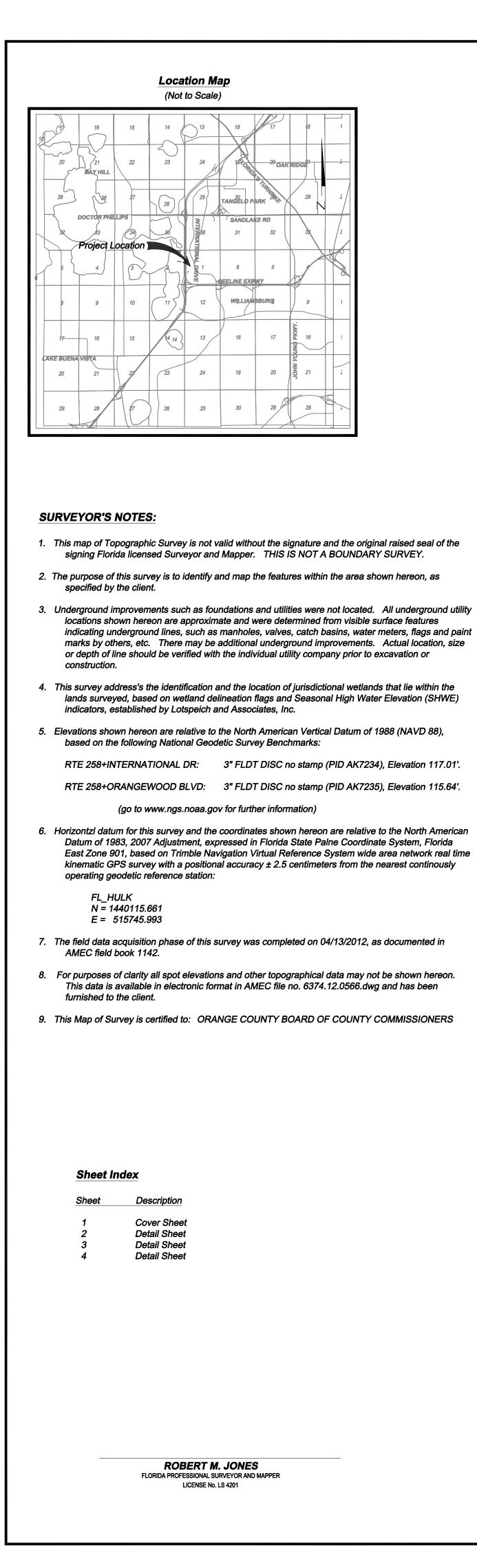
DISTRICT 5 COMMISSIONER MR. TED EDWARDS

DISTRICT 6 COMMISSIONER MS. TIFFANY MOORE RUSSELL



VICINITY	MAP
N.T.S.	

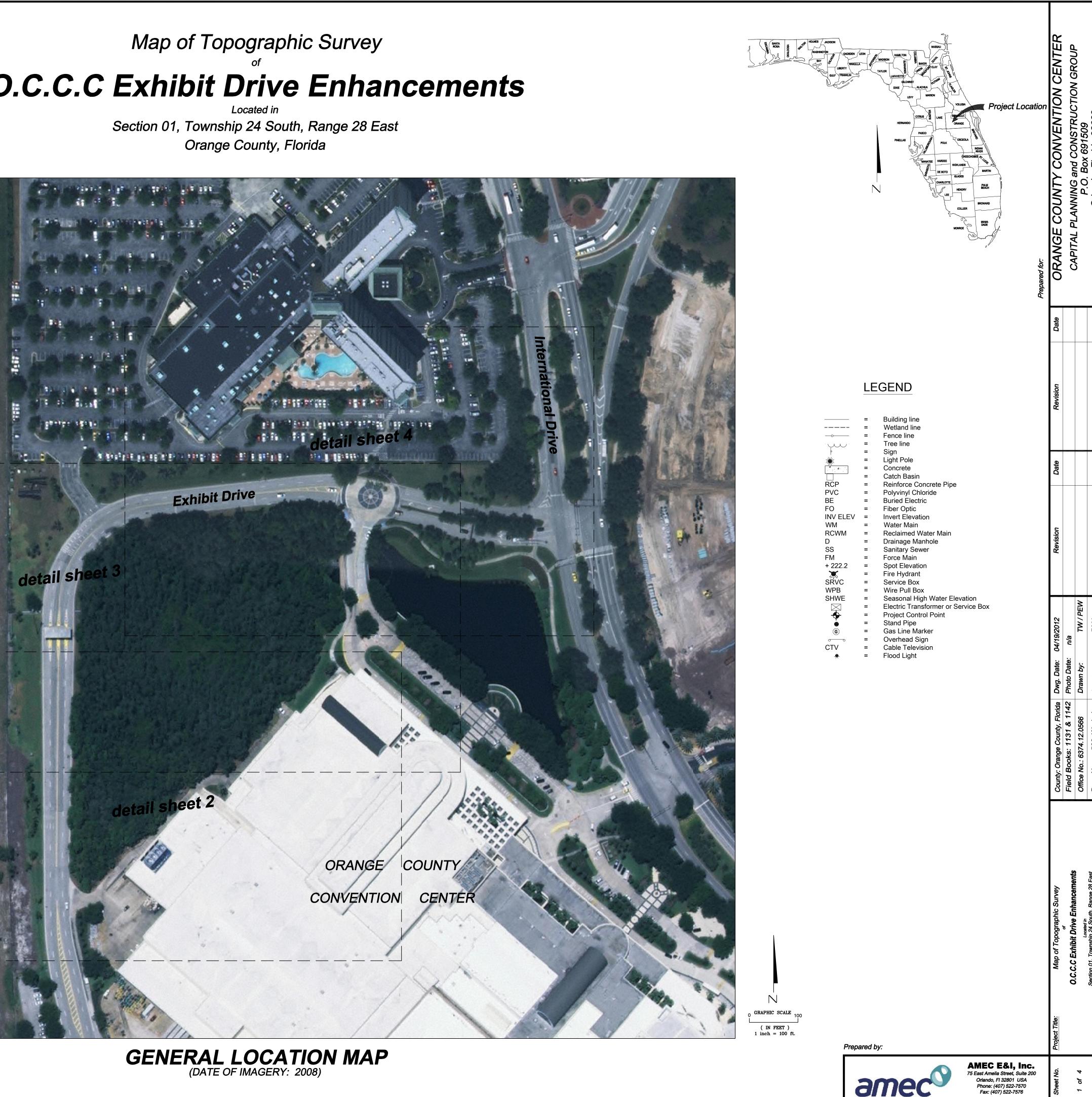
	Orange County Convention Center
	ORANGE COUNTY GOVERNMENT F L O R I D A
	Orange County Convention Center - Pavement Rehab Owner Board of County Commisioners 201 South Rosalind Avenue Orlando, FL 32801
	Opening & Engineering All N. Magnolia Avenue Phone (407) 839-4300 Particular Substantiation of Authorization No. EB - 00006796 JASON D. VARGAS, P.E. LICENSE NO. 62434
Remove Ray	
Universal Blvd ECT TION Remote Rd	
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See Harbor Dr See Harbor Dr Value Cool Value Cool	VICINITY MAP Sheet Title Job No. 090RA.CON-CON Date 12/11/2012
	Drawn RLA Checked JDV Scale N.T.S. COOOO Sheet No.





Map of Topographic Survey **O.C.C.C Exhibit Drive Enhancements**

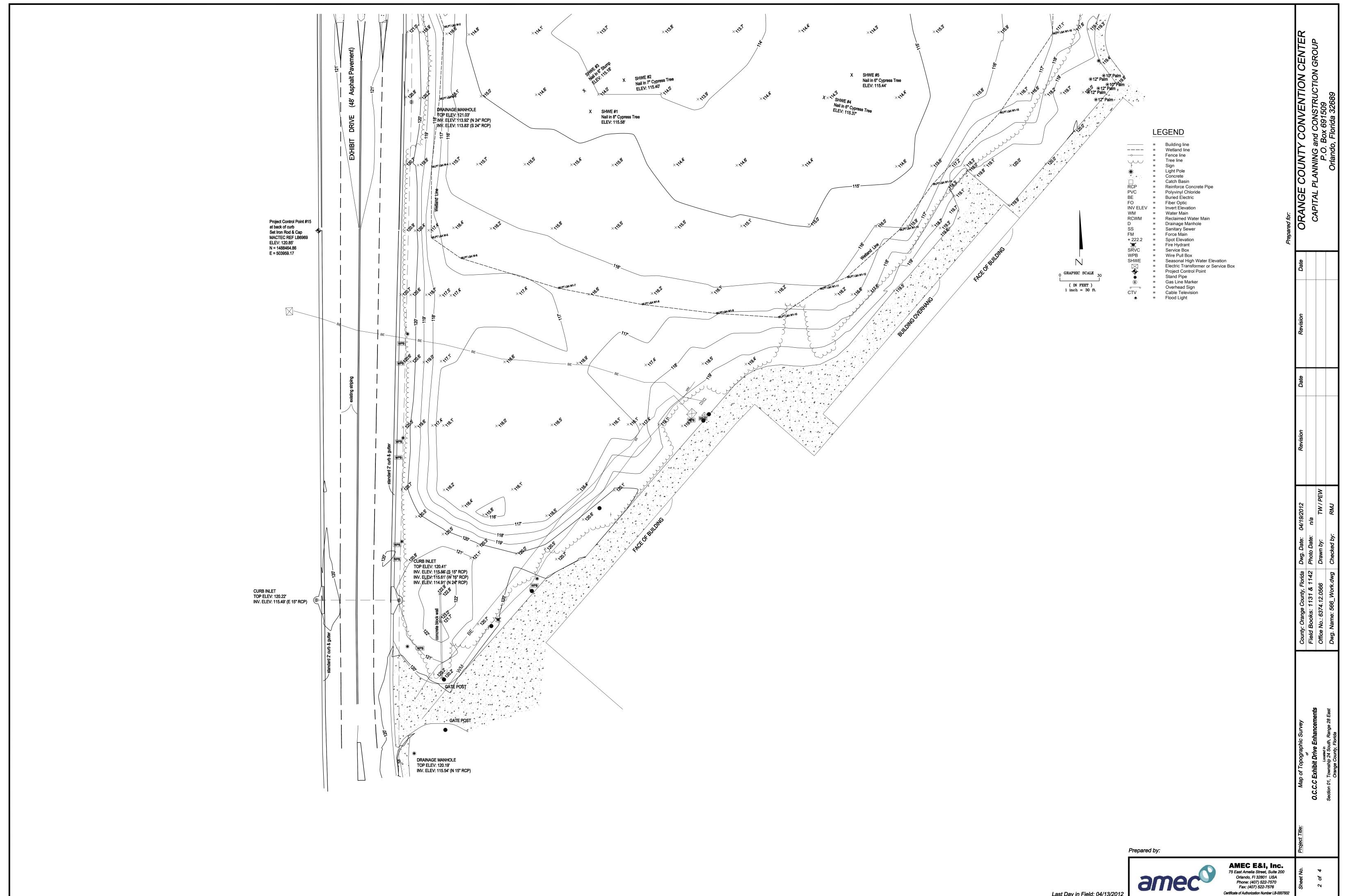
Orange County, Florida

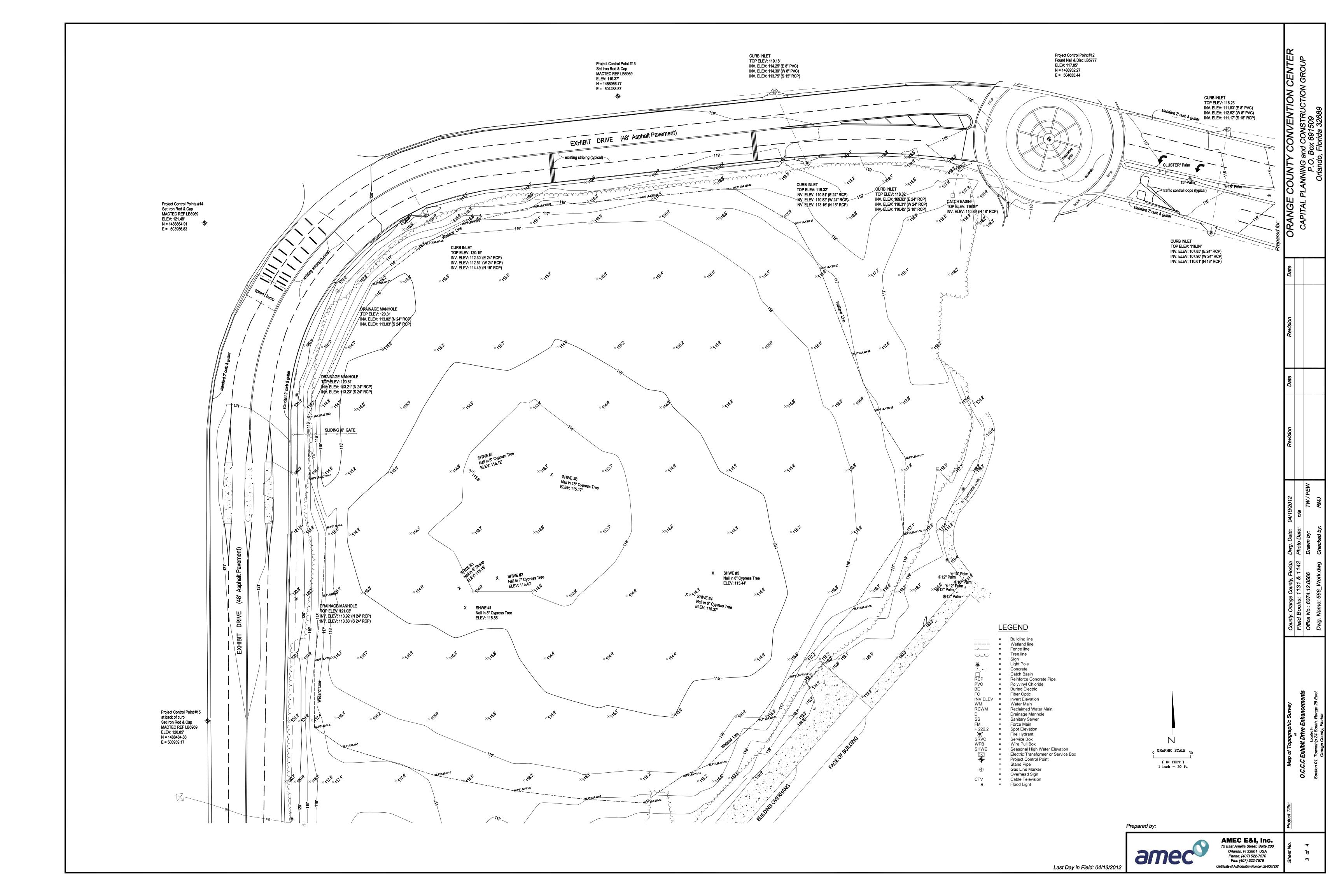


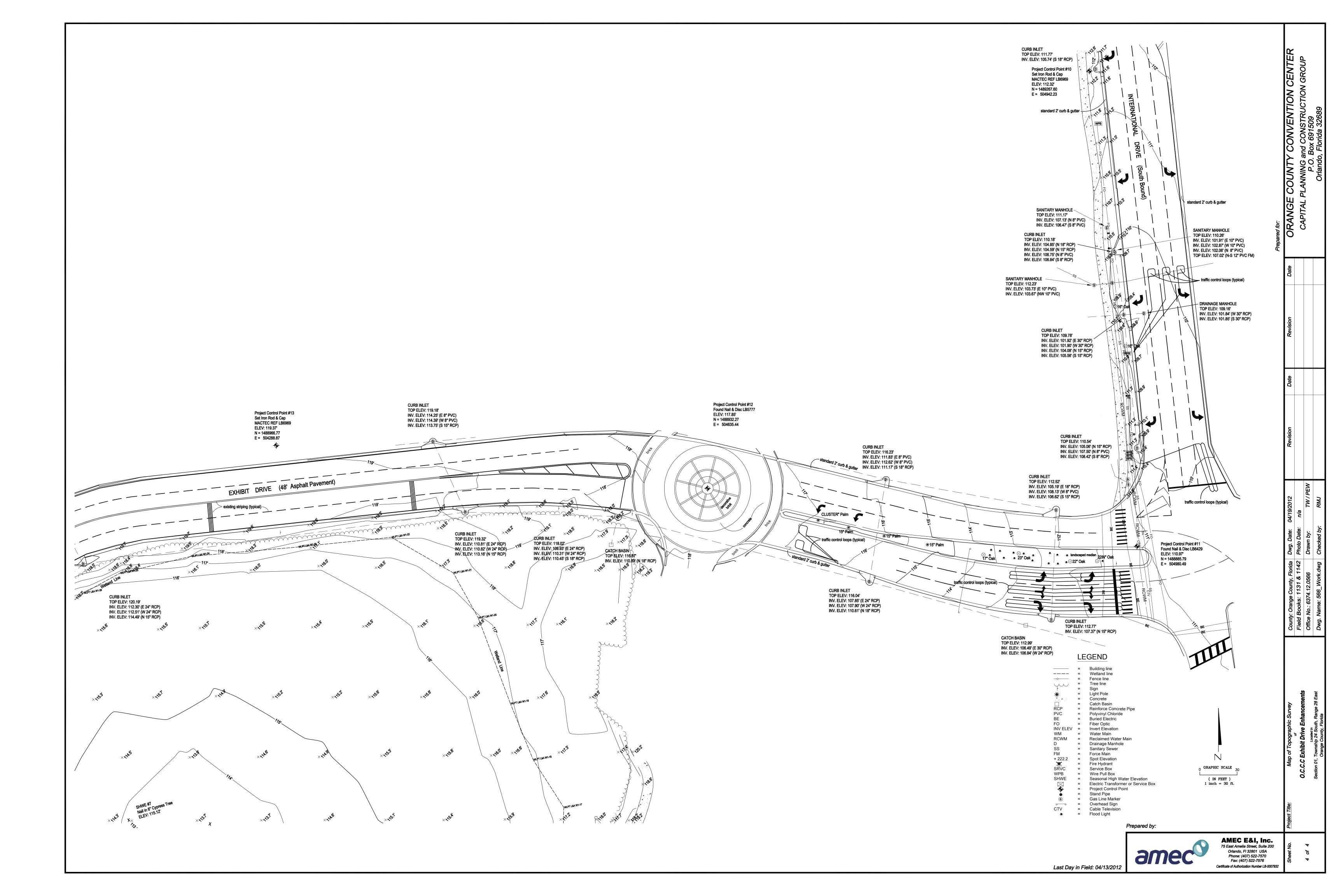
Orlando, Fl 32801 USA Phone: (407) 522-7570 Fax: (407) 522-7576

Certificate of Authorization Number LB-0007932

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1.	ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT, IN WRITING, WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES
	INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE OR SHE FAILS TO PROVIDE WRITTEN NOTIFICATION.
2.	THE BOUNDARY AND TOPOGRAPHIC SURVEYS FOR THIS PROJECT WERE PERFORMED BY OTHERS AND WBQ DESIGN & ENGINEERING, INC. (WBQ) ASSUMES NO RESPONSIBILITY, IN WHOLE OR IN PART, FOR THE COMPLETENESS AND ACCURACY OF THE SURVEYS. WBQ HAS RELIED UPON THE SURVEYS IN PREPARING THE CIVIL ENGINEERING DESIGN SHOWN IN THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC DATA, THE LOCATION OF EXISTING SITE FEATURES, UTILITIES AND ALL OTHER SITE CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO COMMENCING WORK. DIFFERING SITE CONDITIONS SHALL BE DISCLOSED AS DESCRIBED IN GENERAL NOTE NUMBER 1.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
4.	THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORD DRAWINGS 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 AND IS THE CONTRACTORS RESPONSIBILITY TO RE-VERIFY THE LOCATION OF ALL EXISTING UTILITIES TO DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED CONSTRUCTION AND TO COORDINATE WITH UTILITY OWNERS TO RESOLVE THESE CONFLICTS.
5.	ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH ORANGE COUNTY AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE THE SPECIFICATIONS CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
6.	THE SUBSURFACE INFORMATION FOR THIS PROJECT WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS FOR PROJECT CONSTRUCTION. INFORMATION SHOWN, INCLUDING GROUND WATER LEVELS, REPRESENTS EXISTING CONDITIONS AT THE SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE MADE. REFER TO SECTION 02200 OF THE SPECIFICATIONS.
7.	PORTIONS OF THE SITE ARE CLASSIFIED AS ZONE "X", AND ZONE "A" PER FEMA FLOOD MAP PANEL 12095C0385 E DATED DECEMBER 6, 2000
8.	THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS"
9.	ALL HANDICAP ACCESSIBLE CURB RAMPS SHALL BE CONSTRUCTED (INCLUDING THE WALKING SURFACE) IN COMPLIANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, SECTION 11 AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDEX 304.
10.	ALL SIDEWALKS SHOWN WITHIN THE BUILDING AREA ON C-SERIES DRAWINGS ARE FOR PLAN INFORMATION AND ELEVATIONS ONLY. SEE ARCHITECTURAL DRAWINGS FOR FINAL PLAN CONFIGURATION, DIMENSIONS, DETAILS AND PATTERNING.
11.	SIGNAGE AND STRIPING SHALL CONFORM TO THE 2013 FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD). SIGNS SHALL BE ERECTED ACCORDING TO THE REFERENCE NUMBERS DESIGNATED BY THE FDOT OR THE MUTCD.
	ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.
3.	ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN OWNER'S SHALL BE REPORTED TO ENGINEER/OWNER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY ENGINEER/OWNER.
14.	CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEERING AND AGENCY APPROVAL PRIOR TO PROCUREMENT OF MATERIALS.
5.	CONTRACTOR TO SUBMIT COPIES OF ALL TESTING REPORTS TO THE OWNER AND ENGINEER FOR ACCEPTANCE AND CERTIFICATIONS.
16.	MAINTENANCE OF TRAFFIC: ACCESS FOR LOCAL TRAFFIC SHALL BE MAINTAINED. IF, DURING CONSTRUCTION ACCESS FOR LOCAL TRAFFIC IS CHANGED, THEN THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE JURISDICTIONAL AGENCY A MINIMUM OF THREE WORKING DAYS IN ADVANCE. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH INDEX NO. 600 OF THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
17.	ANY PUBLIC LAND CORNER, WITHIN THE LIMITS OF CONSTRUCTION, IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT YET BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER, AND THE ORANGE COUNTY SURVEYOR WITHOUT DELAY AT 407-836-7940. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48 HOURS OF TELEPHONE NOTIFICATION. DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT CONTRACTOR'S EXPENSE.
18.	ALL AREAS WHERE PAVEMENT, BUILDING SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH SELECT BACKFILL MATERIAL. ALL SELECT BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF THE SPECIFICATIONS.
9.	REFER TO 2013 FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX FOR CONSTRUCTION OF SITE ITEMS.
20.	TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH 2013 FDOT STANDARD INDEX No.620 AND/OR No.621. CONTRACTOR SHALL MEET ALL LOCAL STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE OF TRAFFIC (MOT) PLANS & SIGNAGE THAT WILL BE REQUIRED FOR THIS PROJECT AND SHALL BE INCLUDED IN THE BID FOR THIS PROJECT.
:1.	ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PERIOD.
2.	ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AND CONFORM TO THE MOST STRINGENT REQUIREMENT OF THE PROJECT SPECIFICATIONS, THE YEAR 2013 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (FDOT), AND SUPPLEMENTS THERETO, AND ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
23.	SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS NOT TO BE CONSTRUED AS PART OF THE PLANS GOVERNING CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE OF THE ENGINEER IF ADDITIONAL INFORMATION IS AVAILABLE, TO MAKE ARRANGEMENTS TO REVIEW SAME PRIOR TO BIDDING, AND TO MAKE HIS OWN DETERMINATION AS TO ALL SUBSURFACE CONDITIONS.
24.	ALL PERSONAL PROPERTY, EXCEPT MAILBOXES, WITHIN THE RIGHT-OF-WAY NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS. MAIL BOXES SHALL BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT DESIGN STANDARD 532. PAYMENT WILL BE INCLUDED IN THE PAY ITEM NO. 0110-1 (CLEARING AND GRUBBING).
25.	ANY U.S.C AND G.S. MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, ORANGE COUNTY SURVEY SECTION AT 407-836-7941, AND BOTH SHALL NOTIFY: STATE GEODETIC ADVISOR, BUREAU OF SURVEY AND MAPPING MS 105 3800 COMMONWEALTH BLVD. TALLAHASSEE, FL 32399-3000 PHONE: (850) 245-2555 FAX: (850) 245-2645
26.	ALL EXCAVATION SHALL BE REQUIRED TO CONFORM WITH THE PROVISIONS OF PART IV OF CHAPTER 553.60 F.S., ALSO KNOWN AS THE "TRENCH SAFETY ACT", TO PROTECT EXISTING PAVEMENT, STRUCTURES, FOUNDATIONS, AND CONSTRUCTION PERSONNEL DURING CONSTRUCTION OF THE PROJECT.
27.	EXISTING TRAFFIC SIGNS SHALL REMAIN IN PLACE OR BE RELOCATED AS NEEDED BY THE CONTRACTOR UNTIL THE NEW SIGNS ARE INSTALLED. ONCE THE NEW SIGNS HAVE BEEN INSTALLED, THE EXISTING SIGNS SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE ORANGE COUNTY SIGN SHOP AT 4200 SOUTH JOHN YOUNG PARKWAY. COST OF RELOCATION, MAINTENANCE, REMOVAL, AND DELIVERY SHALL BE INCLUDED IN PAY ITEM 0102-1 MAINTENANCE OF TRAFFIC.
28.	PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO ORANGE COUNTY HIGHWAY CONSTRUCTION DIVISION A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT TIES SHOWN ON THE TITLE SHEET, SURVEY CONTROL SHEETS, AND PLAN/PROFILE AND/OR A SET OF FIELD NOTES FOR ALL ADDITIONAL BENCHMARK AND REFERENCE POINT TIES PROPOSED TO BE USED IN CONSTRUCTING THE PROJECT WITH THEIR LOCATION, DESCRIPTION AND ELEVATION,

EROSION CONTROL NOTES

- 1. SILT SCREENS, TURBIDITY BARRIERS, ROCK BAGS, SYNTHETIC BALES, AND ALL OTHER EROSION AND SEDIMENT CONTROL DEVICES MUST REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITION AT ALL LOCATIONS SHOWN UNTIL CONSTRUCTION IS COMPLETE, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
- 2. THE EROSION CONTROL MEASURES SHOWN HEREON ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITHIN THIS CONTRACT. THE CONTRACTOR WILL ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS IN TURBID WATERS, WATERWAYS OR OFFSITE AREAS.
- 3. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE LOCAL WATER MANAGEMENT DISTRICT, FLORIDA DEPARTMENT. OF ENVIRONMENTAL PROTECTION AND ORANGE COUNTY STANDARDS.
- 4. 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 SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE
- 5. SEDIMENT MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS, THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- 6. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
- 7. ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES, DUE TO CONSTRUCTION SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- 8. ALL PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, AND ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR: A. PREPARING AND SUBMITTING FDEP NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) APPLICATIONS AND FORMS.
 - B. FDEP NOTICE OF INTENT APPLICATION FEES. PREPARING THE FDEP STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
- 10. PRIOR TO EARTH WORK OR CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES TO THE OWNER, ARCHITECT AND ENGINEER. 11. THE CONTRACTOR SHALL OBTAIN COPIES OF THE APPROPRIATE WATER
- MANAGEMENT DISTRICT PERMITS PRIOR TO COMMENCING WORK FOR THIS PROJECT
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS.

DEMOLITION NOTES

- 1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS, ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION
- 2. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFF-SITE IN A LEGAL MANNER AT AN APPROVED DISPOSAL FACILITY. APPROVALS OF DISPOSAL SITES SHALL BE OBTAINED FROM ORANGE COUNTY PRIOR TO DISPOSAL THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIAL, ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ASPHALT RESURFACING TO ALL EXISTING ROADS WHICH ARE SAW-CUT OR DAMAGED DURING CONSTRUCTION 4. ANY ENCOUNTERED CONTAMINATED MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL STATE, AND LOCAL REGULATIONS
- 5. THE CONTRACTOR IS ADVISED THAT UNCHARTED UTILITIES MAY BE FOUND TO EXIST WITHIN THE CONSTRUCTION AREA AND THAT CONSTRUCTION OPERATIONS SHOULD BE CONDUCTED WITH CAUTION.
- 6. PRIOR TO DEMOLISHING UTILITY LINES, CONTRACTOR SHALL VERIFY FLOW DIRECTIONS FROM EXISTING BUILDINGS WHICH ARE TO REMAIN. IF DEMOLITION WILL CUT OFF THESE FACILITIES. THE ENGINEER, ARCHITECT, OWNER (AND/OR
- OWNERS REPRESENTATIVE) SHALL BE CONTACTED IMMEDIATELY. 7. ALL EXISTING DRAINAGE PIPES AND STRUCTURES AND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC NOTES

- MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION AND REVISIONS) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN STANDARDS (LATEST EDITION AND REVISIONS).
- 2. CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN THAT IS DESIGNED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, FOR REVIEW AND APPROVAL 2 WEEKS PRIOR TO START OF WORK. THE PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND 2013 FDOT DESIGN STANDARDS (LATEST EDITIONS AND REVISIONS).
- LOCAL RESIDENTIAL/BUSINESS ACCESS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE RESIDENTS/BUSINESSES AFFECTED BY CONSTRUCTION ACTIVITIES, FIVE (5) DAYS IN ADVANCE OF THE START OF ANY PHASE OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE COPIES OF THE NOTIFICATION TO THE TRAFFIC CONTROL MANAGER PRIOR TO DISTRIBUTION.
- 4. EXISTING REGULATORY AND WARNINGS SIGNS ARE TO BE MAINTAINED AL ALL TIMES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING EACH EMPLOYEE SUPERVISING THE SELECTION AND PLACEMENT OF MAINTENANCE OF TRAFFIC (MOT) CONTROL DEVISES SHALL BE PROPERLY TRAINED BY ATTENDING AND SUCCESSFULLY COMPLETING A FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) APPROVED MOT COURSE. THE TRAINING SHALL BE AT A LEVEL APPLICABLE TO THE EMPLOYEE'S LEVEL OF INVOLVEMENT.
- THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL SUPERVISOR (TCS) WHO IS RESPONSIBLE FOR 6. INITIATING. INSTALLING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES.
- THE TCS SHALL BE AVAILABLE ON A 24-HOUR PER DAY BASIS, PARTICIPATE IN ALL CHANGES TO TRAFFIC CONTROL AND REVIEW THE PROJECT ON A DAY-TO-DAY BASIS.
- THE TCS SHALL BE PRESENT DURING THE INITIAL SETUP OF THE TRAFFIC CONTROL PLAN AND ALL SUBSEQUENT PHASES OR CHANGES TO THE TRAFFIC CONTROL.
- 9. THE TCS SHALL IMMEDIATELY CORRECT ALL DEFICIENCIES. 10. THE CONTRACTOR SHALL ENSURE THE TCS BE AVAILABLE ON SITE WITHIN 45 MINUTES OF NOTIFICATION OF
- AN EMERGENCY SITUATION AND IS PREPARED TO RESPOND TO AND CORRECT THE TRAFFIC CONTROL OR PROVIDE ALTERNATE ARRANGEMENTS FOR CORRECTIVE ACTIONS 11. THE TCS SHALL BE RESPONSIBLE FOR PERFORMING WEEKLY, DAYTIME AND NIGHT TIME INSPECTIONS OF
- ALL TRAFFIC CONTROL DEVICES, TRAFFIC FLOW, PEDESTRIAN, BICYCLIST MOVEMENT THROUGH THE WORK AREA AND BUSINESS ACCOMMODATIONS. 12. THE WORK UNDER THIS CONTRACT SHALL INCLUDE BUT NOT LIMITED TO ALL DEMOLITION AND REMOVAL OF
- EXISTING ASPHALT, SIDEWALK UTILITIES, STORM STRUCTURES AND STORM PIPES, TO RECONSTRUCT THE ROADS.
- PROVIDED AT ALL TIME.
- 14. THE CONTRACTOR SHALL COORDINATE M.O.T. AND CONSTRUCTION ACTIVITIES WITH ORANGE COUNTY CONVENTION CENTER PROJECT MANAGER FOR EVENTS
- 15. ALL MAINTENANCE OF TRAFFIC LANE CLOSURES MUST BE PERFORMED BETWEEN 11 PM AND 6 AM FOR ANY WORK DONE TO INTERNATIONAL DRIVE. ALL NIGHTTIME WORK MUST MEET COUNTY STANDARDS INCLUDING OFFICER PRESENCE AND LIT BARRICADES

13. PEDESTRIAN ACCESS WITHIN THE PUBLIC RIGHT OF WAY SHALL BE MAINTAINED OR ALTERNATIVE ROUTES

GRADING AND DRAINAGE NOTES

. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED. RIP RAP MUST BE PLACED AS NECESSARY CONTROL EROSION.

- 2. BENCHMARK LOCATIONS AND ELEVATIONS ARE AS REPRESENTED BY THE SURVEYOR AT THE TIME OF THE SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.
- 3. SPOT ELEVATIONS SHOWN FOR INLETS AND MANHOLES ARE AT TOP OF RIM.
- 4. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO THE PROJECT SPECIFICATIONS. 5. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF ALL TIE-IN'S WITH ARCHITECTURAL PLANS
- PRIOR TO INSTALLATION OF ROOF PIPING AND ASSOCIATED FITTINGS. 6 GRADING CONTRACTOR IS RESPONSIBLE FOR STRIPPING AND STOCKPILING OF TOPSOIL GRADING CONTRACTOR IS ALSO RESPONSIBLE FOR SPREADING 4" OF TOPSOIL ON LANDSCAPE AREAS AND REMOVING FROM SITE EXCESS TOPSOIL, GRADING CONTRACTOR SHALL PREPARE SUBGRADE FOR PAVEMENT AND CURBS AND BACKFILL CURBS AFTER CURB CONSTRUCTION
- 7. ALL OPEN AREAS WITHIN LIMITS OF CONSTRUCTION AND CONSTRUCTION EASEMENTS SHALL BE SODDED TO MATCH EXISTING BY CONTRACTOR UNLESS OTHERWISE NOTED ON PLANS.
- 8. ALL CONCRETE PIPE JOINTS SHALL BE WRAPPED WITH 4' OF FILTER FABRIC CENTERED ON EACH JOINT. 9. CONTRACTOR SHALL DEWATER WHERE REQUIRED.
- 10. ALL STORM SEWER PIPE TO BE REINFORCED CONCRETE PIPE CLASS III, EXCEPT WHERE OTHERWISE NOTED ON THE PLANS OR REQUIRED BY JURISDICTION.
- 11. CONTRACTOR SHALL INCLUDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORMWATER MANAGEMENT AREAS IMMEDIATELY AFTER FINAL GRADING AND PRIOR TO GRASSING THE SLOPES. AT A MINIMUM, CONTRACTOR MUST PROVIDE TWO TYPICAL AS-BUILT CROSS-SECTIONS IN DIFFERENT DIRECTIONS. CONTRACTOR MUST OBTAIN ENGINEER'S APPROVAL PRIOR TO GRASSING. IF ANY MODIFICATIONS ARE NEEDED, ADDITIONAL AS-BUILTS MUST BE FURNISHED.
- 12. GEOTECHNICAL SERVICES HAVE BEEN PROVIDED AS REFERENCED BELOW, GEOTECHNICAL RECOMMENDATIONS ARE NOT THE RESPONSIBILITY OF WBQ DESIGN AND ENGINEERING, INC. WBQ DESIGN AND ENGINEERING, INC. HAS RELIED ON THE BELOW REFERENCED GEOTECHNICAL REPORT'S IN PREPARATION OF THE DRAWINGS. ANY CONFLICT BETWEEN INFORMATION WITHIN THE REPORT AND THESE DRAWINGS SHALL BE REPORTED TO ENGINEER/OWNER. WBQ DESIGN AND ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF GEOTECHNICAL INFORMATION.
- 13. ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.
- 14. ALL STORM STRUCTURES SHALL CONFORM WITH 2013 FDOT STANDARD INDEX DRAWINGS AND SPECIFICATIONS EXCEPT THAT DITCH BOTTOM INLETS IN PAVED AREAS SHALL HAVE TRAVERSABLE, TRAFFIC BEARING GRATES SUPPORTED BY STEEL ANGLE SEATS OR SUPPORTED ON FOUR SIDES. GRATES SHALL BE CAST IRON UNLESS OTHERWISE SPECIFIED OR APPROVED.
- 15. EXISTING TOPOGRAPHY BASED ON DRAWING PREPARED BY: SURVEYOR: AMEC E & I, INC. SURVEY DATED: 4/19/2012 PROJECT NUMBER: 6374 12 0566
- 16. GEOTECHNICAL REPORT PREPARED BY: ARDAMAN & ASSOCIATES, INC. GEOTECHNICAL ENGINEER: GREG STEVENS, P.E. - CHUCK CUNNINGHAM, P.E. REPORT DATE: MAY 7, 2012 PROJECT NUMBER: 12-6356

UTILITY SEPARATION REQUIREMENTS

- 1. UTILITY SEPARATION REQUIREMENTS SHALL COMPLY WITH THE LATEST VERSION OF CHAPTER 62-555., F.A.C.
- 2. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND STORM SEWERS. STORMWATER FORCE MAINS OR RECLAIMED WATER MAINS REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. SHALL BE A MINIMUM OF THREE (3) FEET FROM OUTSIDE TO OUTSIDE OF PIPES, HORIZONTAL SEPARATION BETWEEN WATER MAINS AND GRAVITY OR PRESSURE SANITARY SEWER MAINS AND RECLAIMED WATER MAINS NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. SHALL BE A MINIMUM OF SIX (6) FEET AND PREFERABLY TEN (10) FEET, FROM OUTSIDE TO OUTSIDE OF PIPES. THE MINIMUM HORIZONTAL SEPARATION SHALL BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS SIX (6) INCHES ABOVE THE GRAVITY TYPE SANITARY SEWER.
- VERTICAL SEPARATION BETWEEN WATER MAINS AND ALL PRESSURE OR GRAVITY SEWERAGE SYSTEMS SHALL BE A MINIMUM OF TWELVE (12) INCHES UNLESS THE WATER MAIN IS CONSTRUCTED OVER GRAVITY SANITARY OR STORM SYSTEM. THEN A MINIMUM OF SIX (6) INCHES IS ACCEPTABLE. AT THE CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE CENTERED SO JOINTS ARE AS FAR APART AS POSSIBLE. ALL JOINTS SHALL BE A MINIMUM OF THREE (3) FEET APART FOR STORM AND RECLAIMED WATER MAINS REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. ALL JOINTS SHALL BE A MINIMUM OF SIX (6) FEET APART FOR STORM AND RECLAIMED WATER MAINS NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

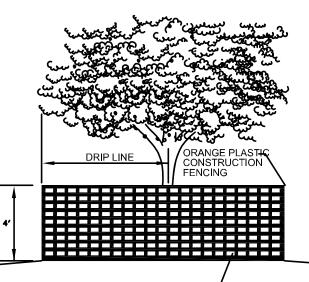
PROPOSED		HOF	RIZONTAL	& VERT	ICAL SEP/	ARATION F	REQUIRE	MENTS		
		ABLE ER (PW)	RECLAIMED WATER (RW)						SEWER	
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	VARIANCES	
POTABLE WATER	-	-	3'	12"	6'	12"	3'	12"	REFER TO	
RECLAIMED WATER	3'	12"	-	-	3'	12"	-	-	GENERAL NOTE #4	
SANITARY	6'	12"	3'	12"	_	-	_	_		

THE TABLE MEETS SEPARATION REQUIREMENTS AS DESCRIBED BY FDEP IN THE FLORIDA ADMINISTRATION CODE (FAC). THESE SEPARATION REQUIREMENTS SHALL APPLY BETWEEN NEWLY PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES. FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS REUSE WATER AS DEFINED BY F.A.C. 62-610. OTHER TYPES OF RECLAIMED WATER ARE CONSIDERED RAW SEWAGE AND SEPARATION LISTED FOR SANITARY SEWER

- SHALL APPLY. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. ACCEPTABLE VARIANCES: VARIANCES FROM THE SEPARATION DISTANCES LISTED IN THE TABLE MUST COMPLY
- WITH 62-555.314 (5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND OCU. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A

SANITARY OR STORM WATER MANHOLE OR STRUCTURE.

- 1. PROTECT DESIGNATED EXISTING TREES AGAINST -UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS -SKINNING AND BRUISING OF BARK -SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION OR EXCAVATION MATERIALS WITHIN DRIP-LINE -EXCESS FOOT OR VEHICULAR TRAFFIC -PARKING VEHICLES WITHIN DRIP-LINE
- 2. ERECT TEMPORARY ORANGE PLASTIC CONSTRUCTION FENCING AS SHOWN ON THIS SHEET (PLAN & TREE OCCURS
- DRYING AND COVER WITH EARTH AS SOON AS POSSIBLE.
- OWNER OR HIS DESIGNATED REPRESENTATIVE.
- REPRESENTATIVE BY A QUALIFIED TREE SURGEON. 7. REPAIR OR REPLACE TREES INDICATED TO REMAIN, WHICH ARE DAMAGED IN THE CONSTRUCTION
- DETERIORATION CAUSED BY THE DAMAGE
- SHALL BEAR THE BURDEN OF THE COST OF REPAIR OR REPLACEMENT 9. THE CONTRACTOR SHALL RECEIVE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO THE
- PROCEDURES INCLUDING NEEDED INITIAL CARE.



FENCE LOCATIONS TO BE APPROVED IN FIELD BY OWNER/DEVELOPER

TREE PROTECTION BARRICADE DETAIL

STANDARD ABBREVIATIONS

ARV	AIR RELEASE VALVE	HP	HIGH POINT
BFP	BACKFLOW PREVENTER	HR	HANDICAPPED RAMP
BOC	BACK OF CURB	INV	INVERT
втм	воттом	LF	LINEAR FEET
BV	BALL VALVE	LP	LOW POINT
Ф.	CENTER LINE	LS	LIFT STATION
CMP	CORRUGATED METAL PIPE	MES	MITERED END SECTION
со	CLEANOUT	MH	MANHOLE
CONC	CONCRETE	NWL	NORMAL WATER LEVEL
DCDVA	DOUBLE CHECK DETECTOR	PIV	POST INDICATOR VALVE
	VALVE ASSEMBLY	ዊ	PROPERTY LINE
DIP	DUCTILE IRON PIPE	PV	PLUG VALVE
DHWL	DESIGN HIGH WATER LEVEL	PVC	POLYVINYL CHLORIDE PIPE
EL	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EOP	EDGE OF PAVEMENT	RWM	RECLAIMED/REUSE WATER MAIN
ERCP	ELLIPTICAL REINFORCED	R/W	RIGHT OF WAY
	CONCRETE PIPE	SAN	SANITARY
FDC	FIRE DEPARTMENT CONNECTION	SHWT	SEASONAL HIGH WATER TABLE
FFE	FINISHED FLOOR ELEVATION	SP	SAMPLE POINT
FH	FIRE HYDRANT	ТОВ	TOP OF BANK
FM	FORCE MAIN	TOS	TOE OF SLOPE
GV	GATE VALVE	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	WM	WATER MAIN

					_
			SEPARATION REC	-	
	HOF	RIZONTAL & VERT	ICAL SEPARATION F	REQUIREMENTS	
DPOSED	POTABLE	RECLAIMED	SAN SEW/ER (SS)		

PROPOSED UTILITY	POTABLE WATER (PW)				· · ·	STORM SEWER		ACCEPTABLE	
	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	HORIZ	VERT	VARIANCES
POTABLE WATER	-	-	3'	12"	6'	12"	3'	12"	REFER TO
RECLAIMED WATER	3'	12"	-	-	3'	12"	-	-	GENERAL NOTE #4
SANITARY SEWER	6'	12"	3'	12"	-	-	-	-	

TREE PROTECTION REQUIREMENTS

DETAIL). BEFORE COMMENCEMENT OF ANY SITE CLEARING OR GRADING. FENCE TO BE 4' HIGH MINIMUM AND SHALL BE SET DEEP ENOUGH IN THE GROUND TO BE STABLE WITHOUT ADDITIONAL SUPPORT. ALL FENCING SHOULD BE A MINIMUM OF 10' CLEAR DISTANCE FROM THE FACE OF ANY TREES AND SHALL FULLY ENCLOSE ALL TREES SCHEDULED TO REMAIN. NOTHING SHALL BE PLACED INSIDE OF PROTECTIVE BARRICADES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIAL, MACHINERY, CHEMICALS, OR TEMPORARY SOIL DEPOSITS. ON TREES LARGER THAN 20' DBH, BARRICADES SHALL BE NO CLOSER THAN 15' FROM FACE OF TREE. WHEN PAVING, EXCAVATION OR HARDSCAPE MUST BE DONE WITHIN BARRICADES, BARRICADES SHALL BE MOVED BACK TO A SECONDARY LOCATION AT EDGE OF WORK. EXTRA CARE MUST BE TAKEN AT THIS TIME BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE TO THE

3. PROVIDE WATER TO TREES AS REQUIRED TO MAINTAIN THEIR HEALTH DURING CONSTRUCTION WORK. 4. WHEN NECESSARY TO CUT ROOT OVER 1-1/2" DIAMETER OF TREES TO REMAIN, CUT MUST BE A CLEAN CUT COAT CUT FACES OF ROOTS WITH AN EMULSIFIED ASPHALT OR OTHER ACCEPTABLE COATING FORMULATED FOR USE ON DAMAGED PLANT TISSUE. TEMPORARILY COVER EXPOSED ROOTS WITH WET BURLAP TO PREVENT

5. NO GRADE CHANGES ARE TO BE MADE WITHIN THE BARRICADES WITHOUT PRIOR APPROVAL OF THE

6. INTERFERING BRANCHES MAY BE REMOVED AT THE DIRECTION OF THE OWNER OR HIS DESIGNATED

OPERATIONS, IN A MANNER ACCEPTABLE TO THE OWNER. EMPLOY A QUALIFIED TREE SURGEON TO REPAIR MAJOR DAMAGES TO TREES AND SHRUBS, PROMPTLY, TO PREVENT PROGRESSIVE

8. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF TREES DAMAGED BEYOND REPAIR WITH 3 TREES OF SIMILAR QUALITY AND SPECIES. SIZED TO MATCH THE LARGEST TREES OF THAT SPECIES BEING PLANTED AS PER THE LANDSCAPE PLANS. IF TREES ARE HARMED THROUGH LACK OF PROTECTION OR THROUGH NEGLIGENCE ON THE PART OF THE CONTRACTOR. THE CONTRACTOR

PLANTING OF ANY TREES, SHRUBS, OR PLANTS FOR THEIR QUALITY AND PLANNED INSTALLATION

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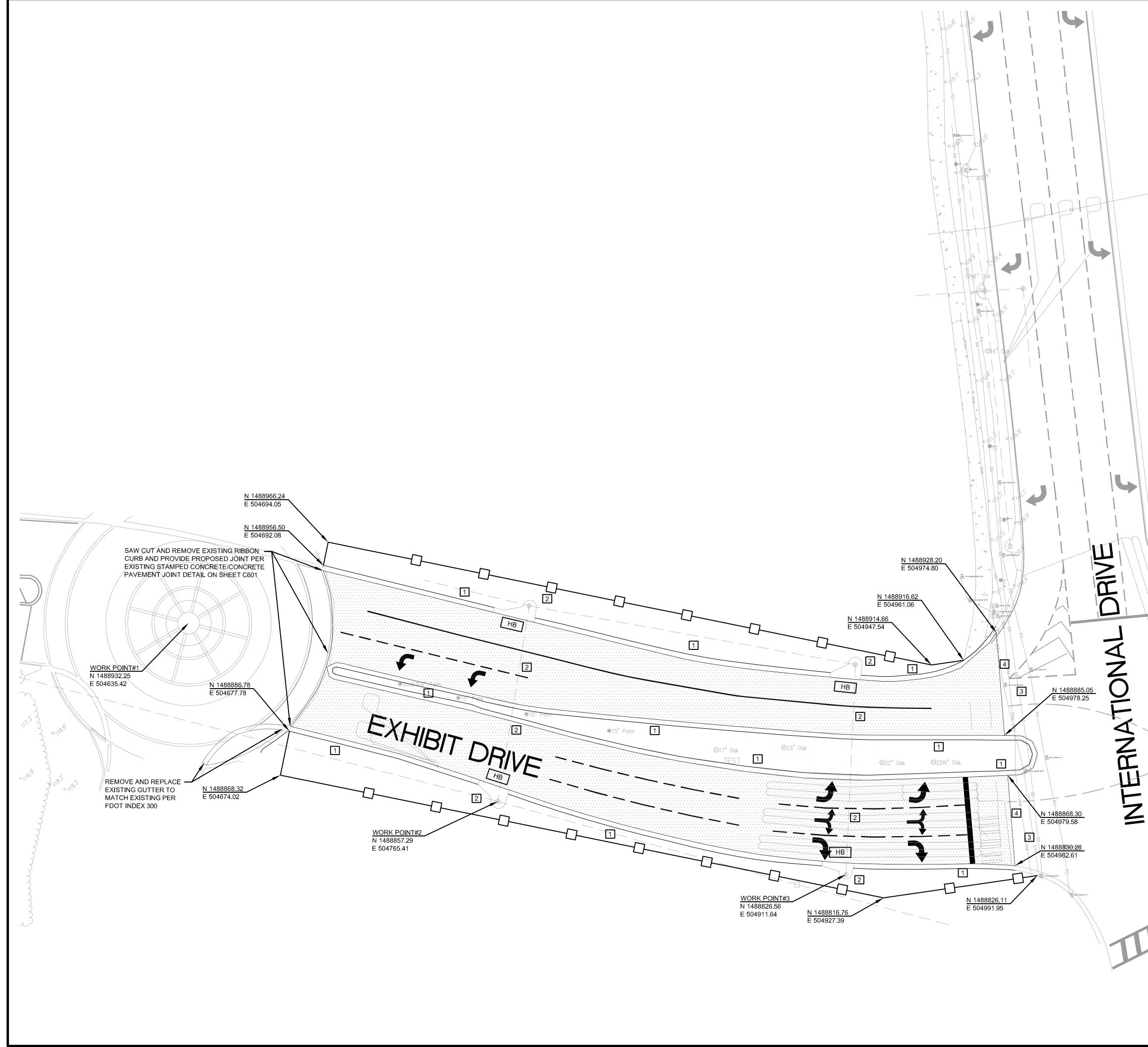
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PAY ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
	ROADWAY & DRAINAGE		
0101-1	MOBILIZATION AND DEMOBILIZATION	LS	1
0102-1	MAINTENANCE OF TRAFFIC / UTILITIES	LS	1
0104-13	SEDIMENT BARRIER, SILT FENCING AND INLET PROTECTION	LS	1
0110-1	CLEARING AND GRUBBING	LS	1
0120-4	REGULAR EXCAVATION	LS	1
0285-7-11	6" BASE COURSE MATERIAL (CRUSHED CONCRETE, 300 PSI)	SY	1980
0350-2-3	CEMENT CONCRETE PAVEMENT, REINFORCED, 8" (5,000 PSI)	SY	1980
0440-1-30	UNDERDRAIN, TYPE I	LF	589
0520-1-10	CURB & GUTTER CONCRETE (TYPE F)	LF	1227
0520-4	SPECIAL CONCRETE GUTTER (DROP CURB)	LF	48
0523-1	PATTERNED/TEXTURED PAVEMENT (STAMPED CONCRETE), VEHICULAR AREAS	SY	103
0575-1	SODDING (MATCH EXISTING)	SY	300
0660-1	VEHICLE DETECTOR ASSEMBLY, REPLACE	EA	8
0711-11-111	THERMOPLASTIC TRAFFIC STRIPE, 6" SOLID WHITE	LF	275
0711-11-125	THERMOPLASTIC TRAFFIC STRIPE, 24" SOLID WHITE	LF	37
0711-11-131	THERMOPLASTIC TRAFFIC STRIPE, 6" SKIP WHITE	LF	302
0711-11-170	THERMOPLASTIC TRAFFIC ARROW - STANDARD WHITE	EA	8
0900-1	AS-BUILT PLANS	LS	1
0900-2	INDEMNIFICATION	LS	1

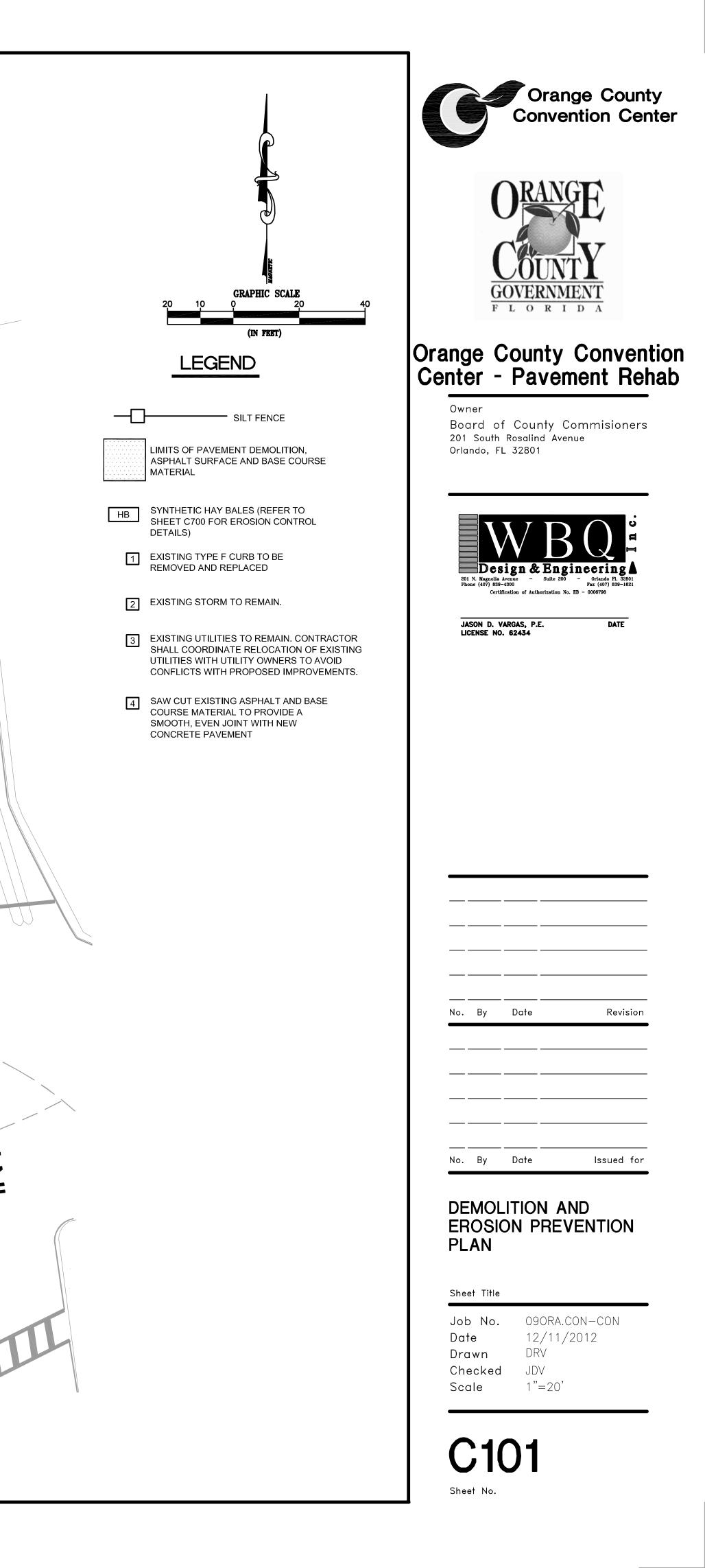
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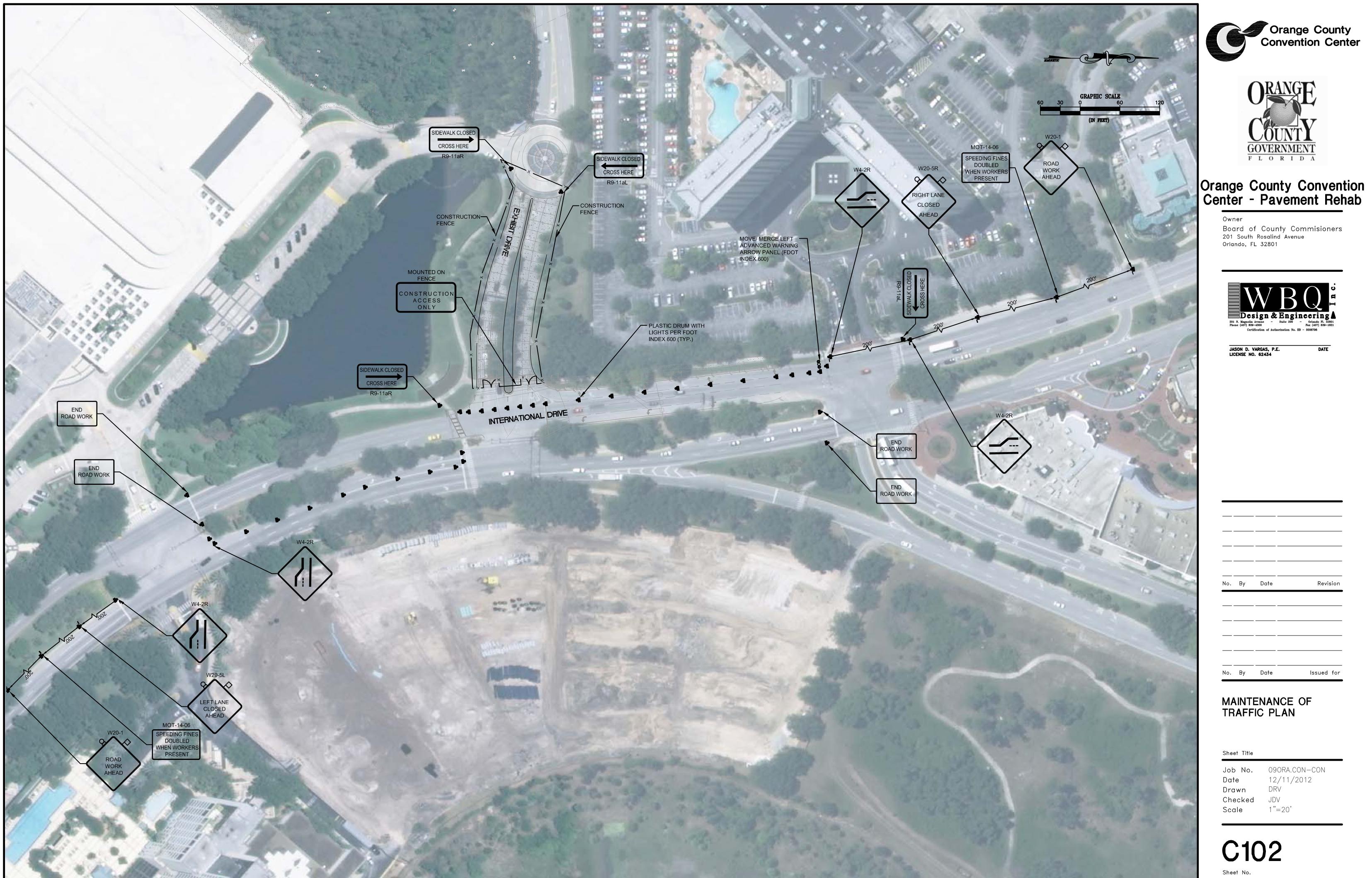
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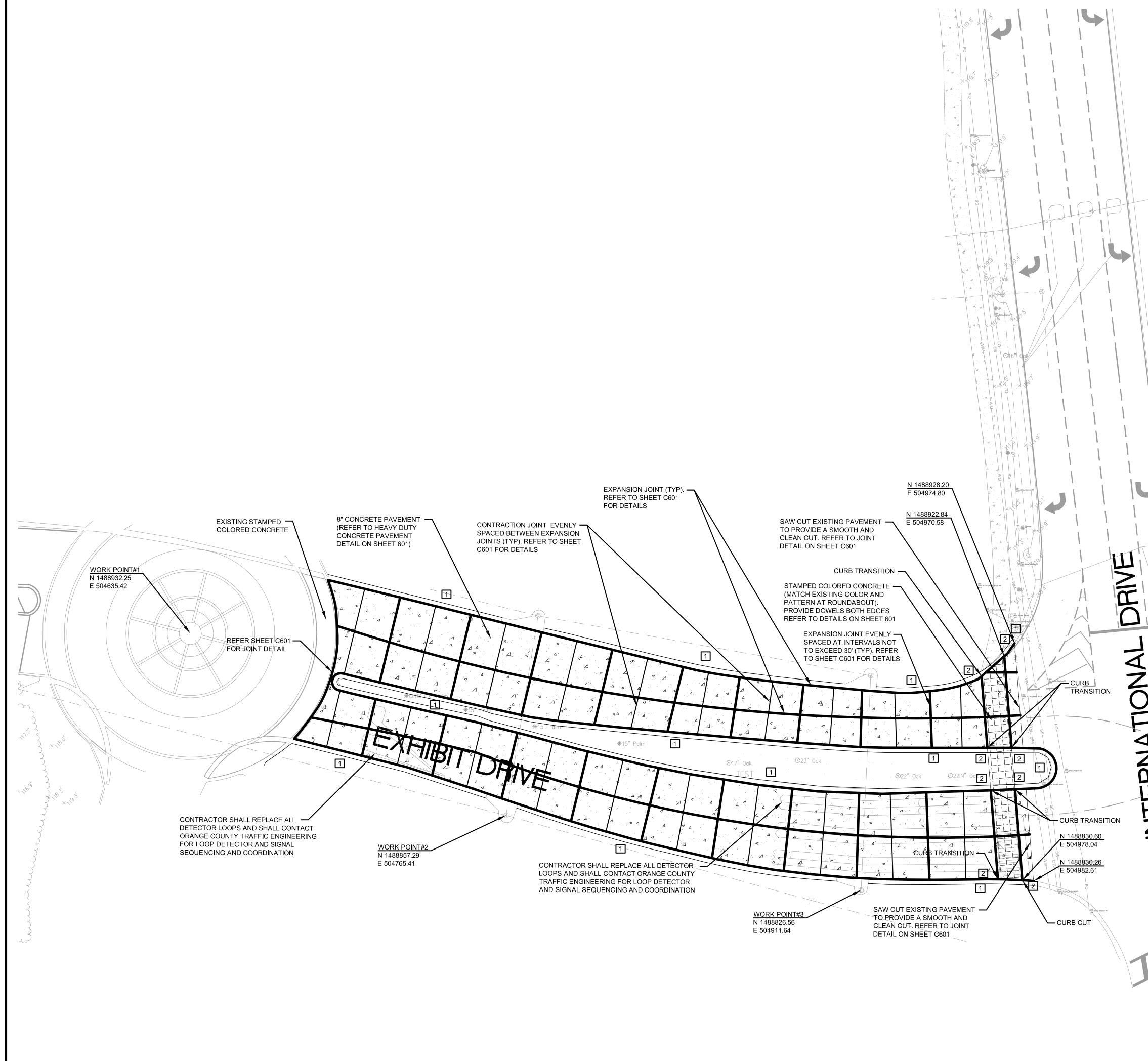
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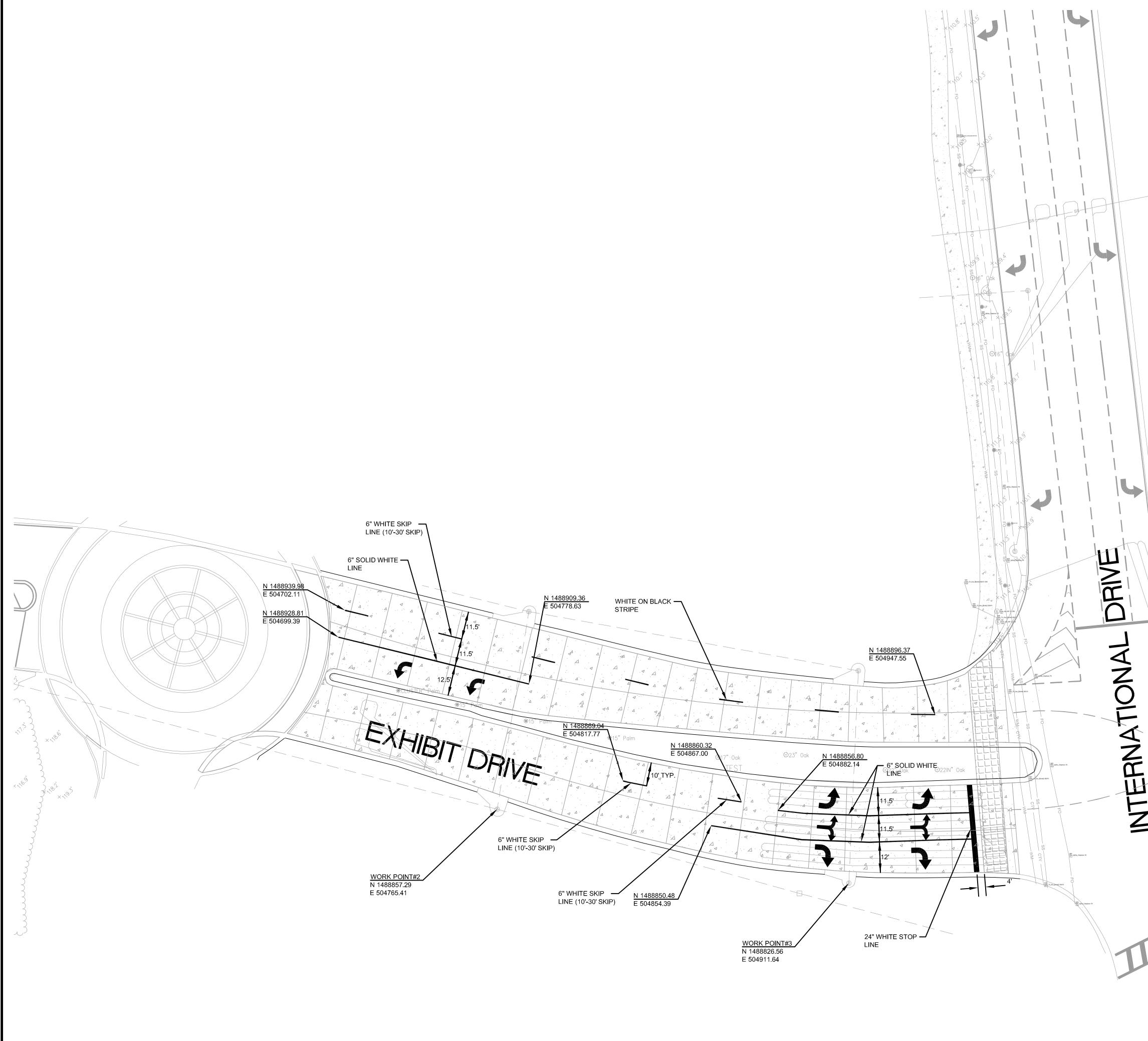
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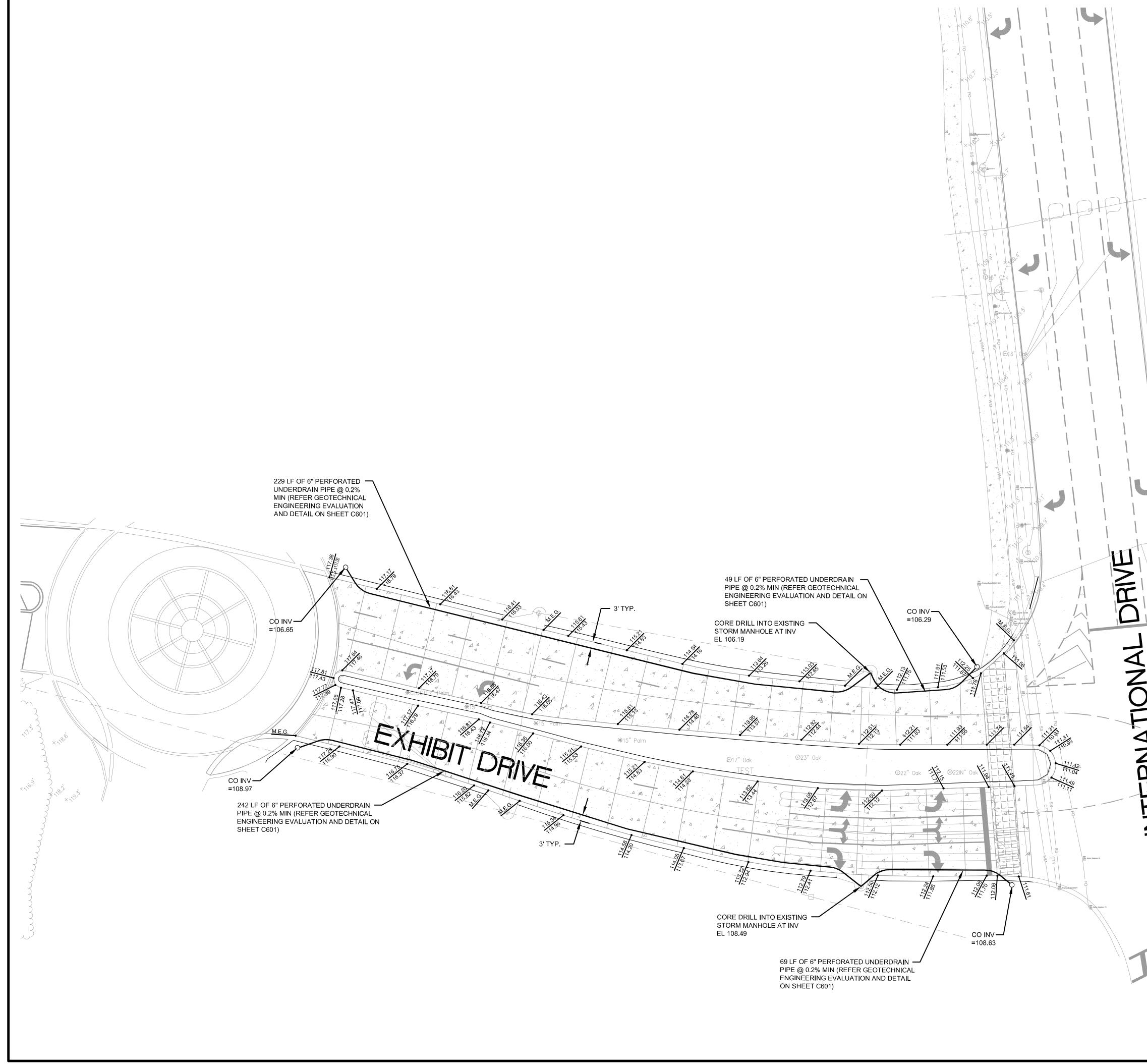


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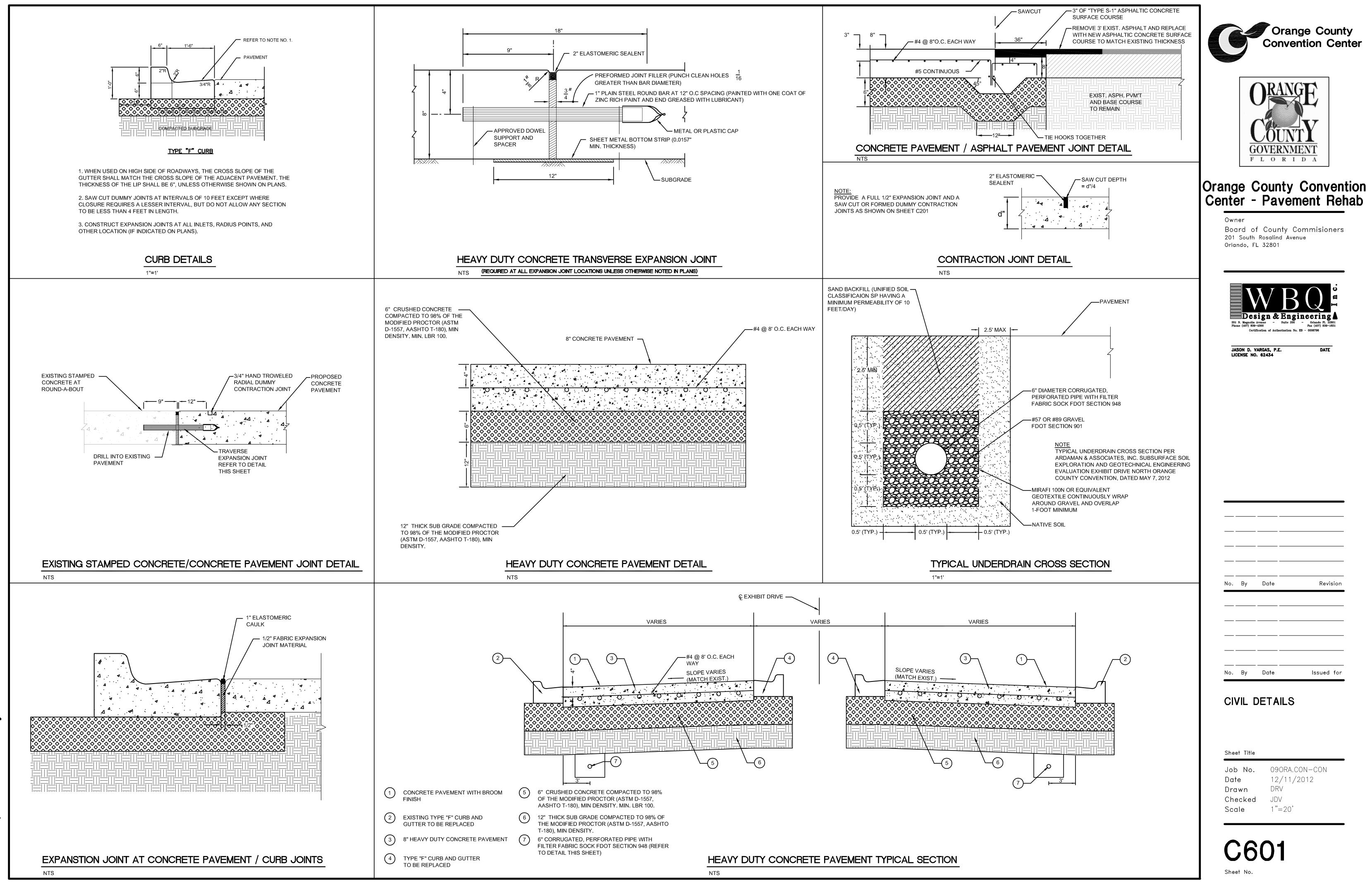


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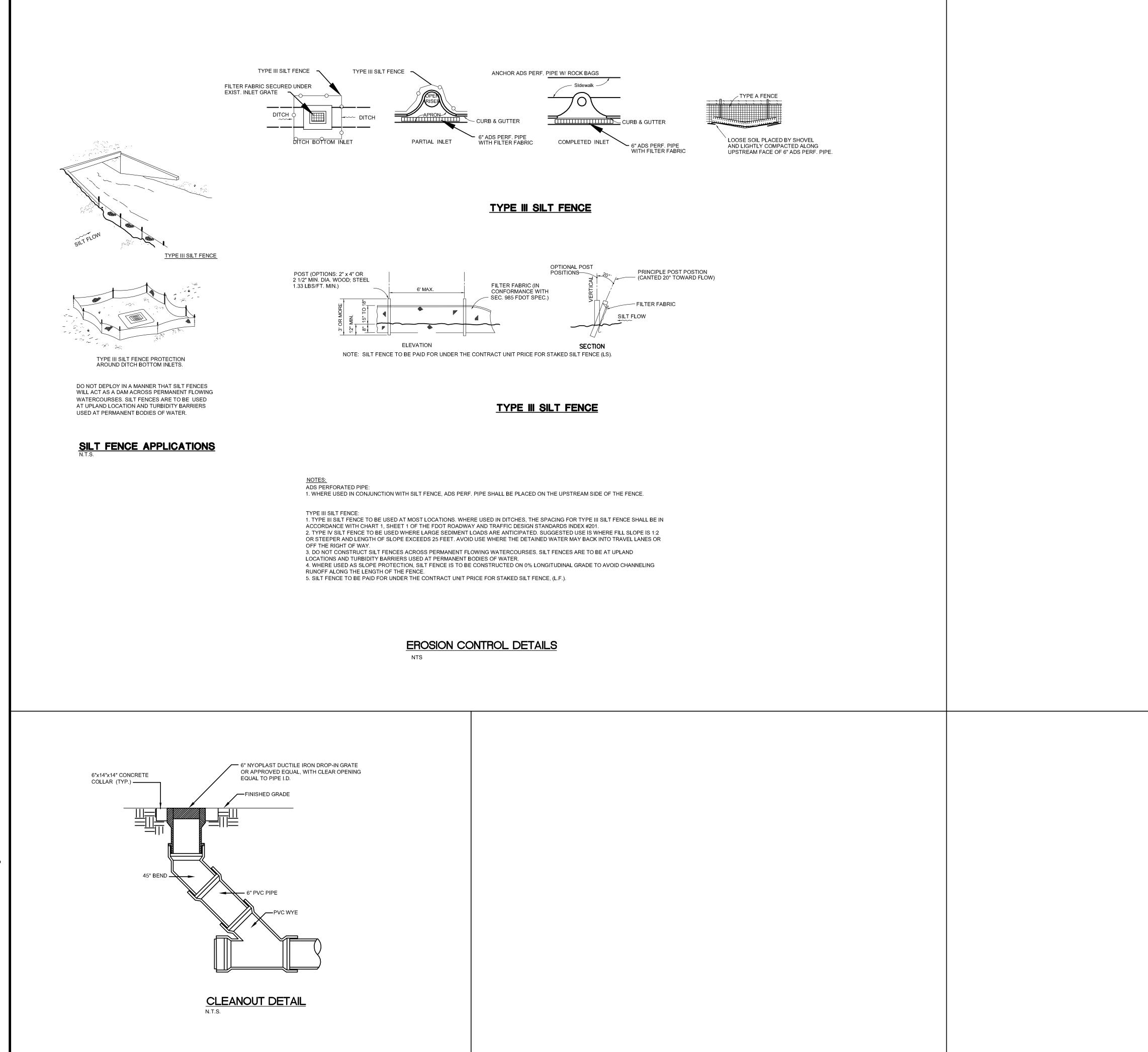


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