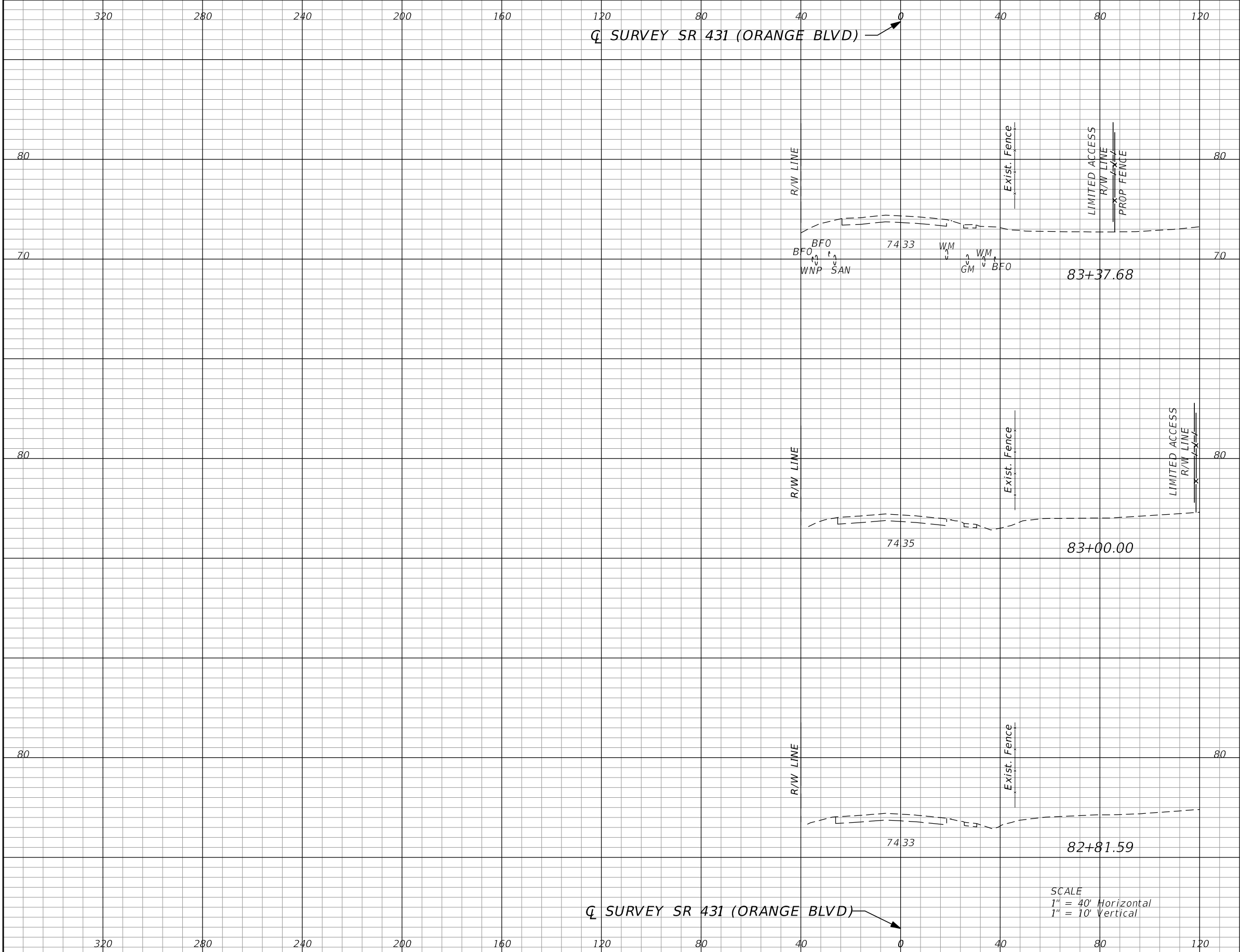


Q SURVEY SR 431 (ORANGE BLVD)

Q SURVEY SR 431 (ORANGE BLVD)



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	0.0	0	0.0	0
0.0	0	0.0	0	0.0	0
0.0	0	0.0	0	0.0	0

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GARFIELD L. FOSTER
P.E. LICENSE NO. 59893
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

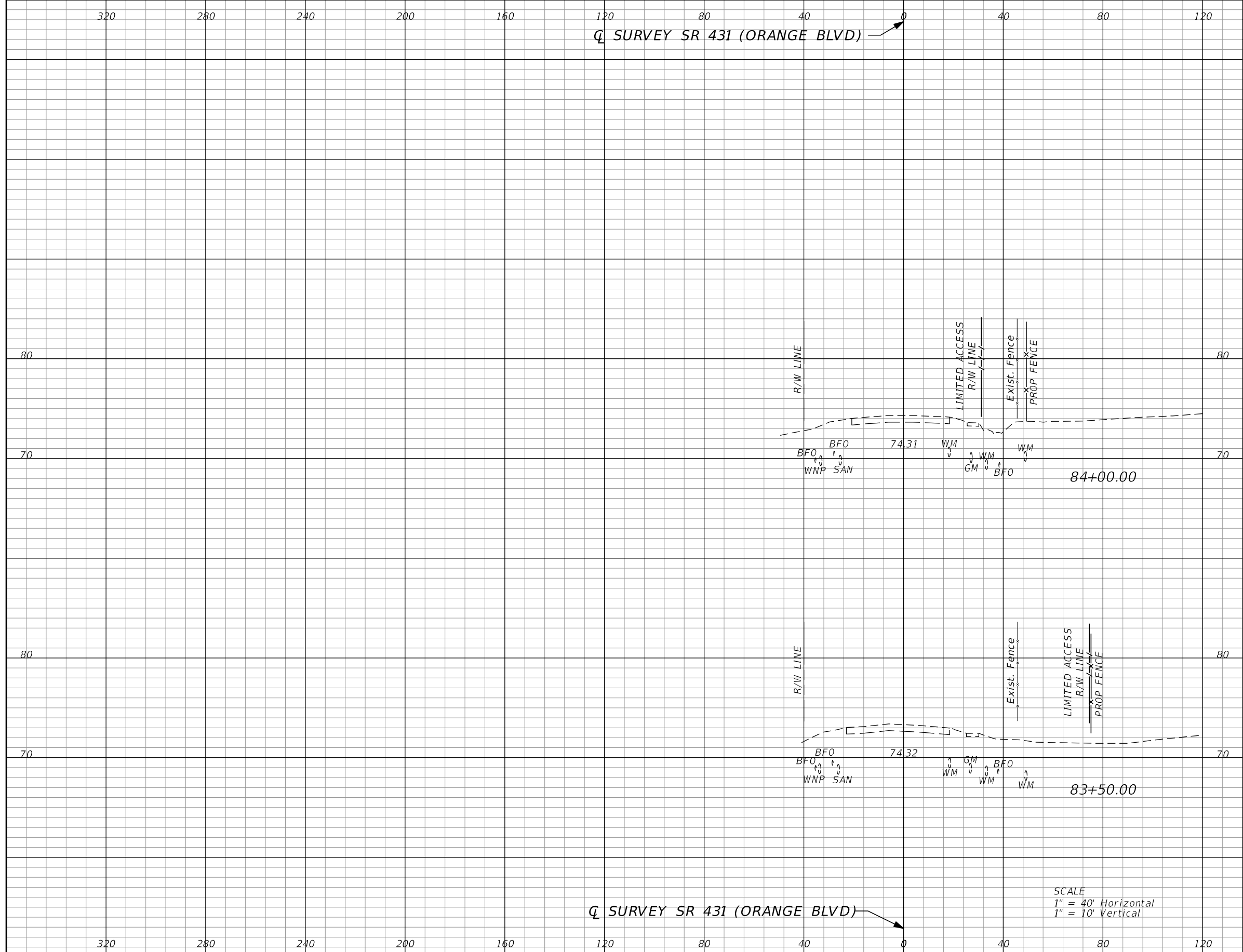
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 431 (ORANGE BLVD)
CROSS SECTIONS**

SHEET NO.
1,128

Q SURVEY SR 431 (ORANGE BLVD) →

Q SURVEY SR 431 (ORANGE BLVD) →



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	0.0	0	0.0	0
0.0	0	0.0	0	0.0	0

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GARFIELD L. FOSTER
 P.E. LICENSE NO. 59893
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

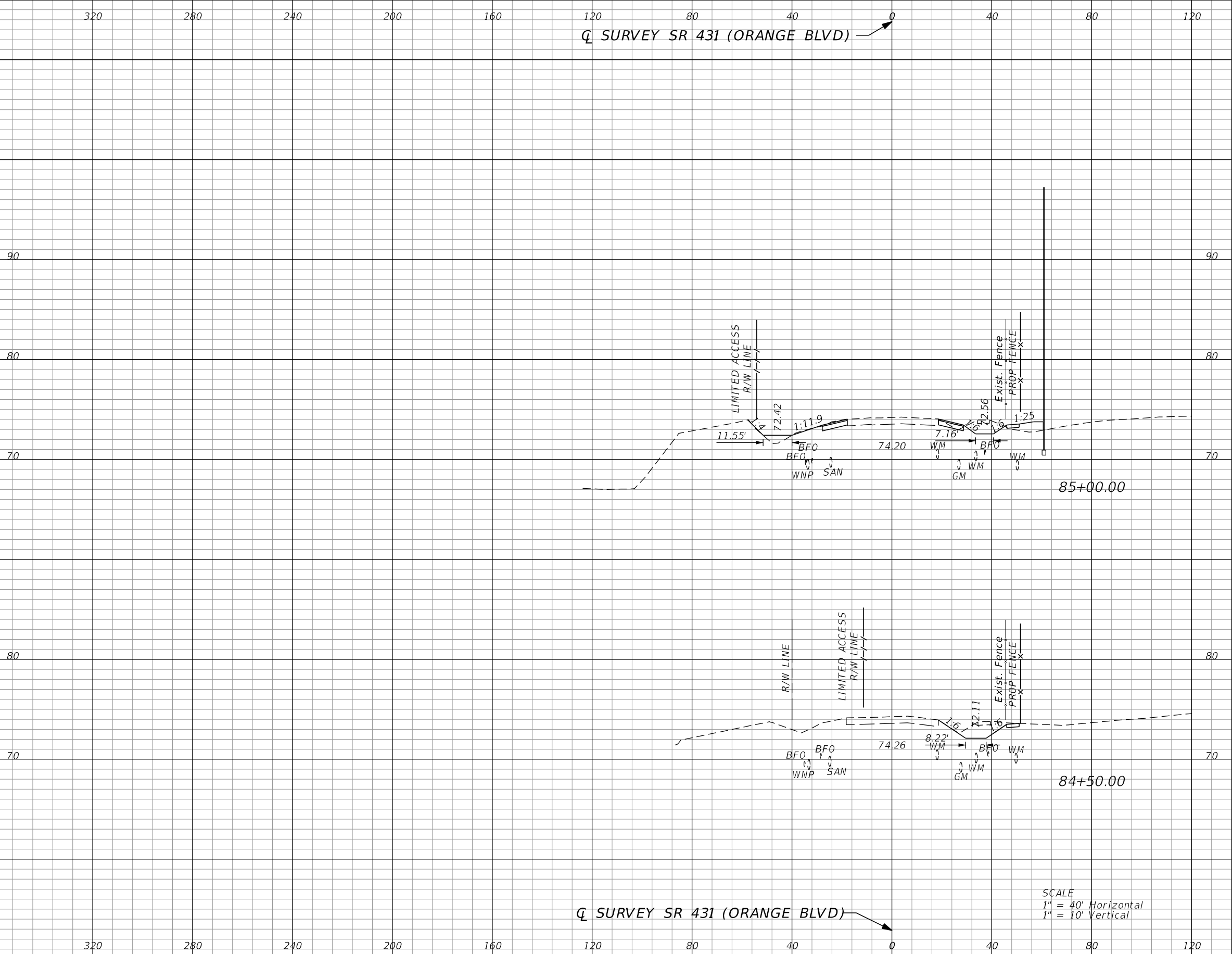
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 431 (ORANGE BLVD)
CROSS SECTIONS**

SHEET NO.
1,129

Q SURVEY SR 431 (ORANGE BLVD)

Q SURVEY SR 431 (ORANGE BLVD)



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	22.9	41	16.6	15
0.0	0	20.9	19	0.0	0

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

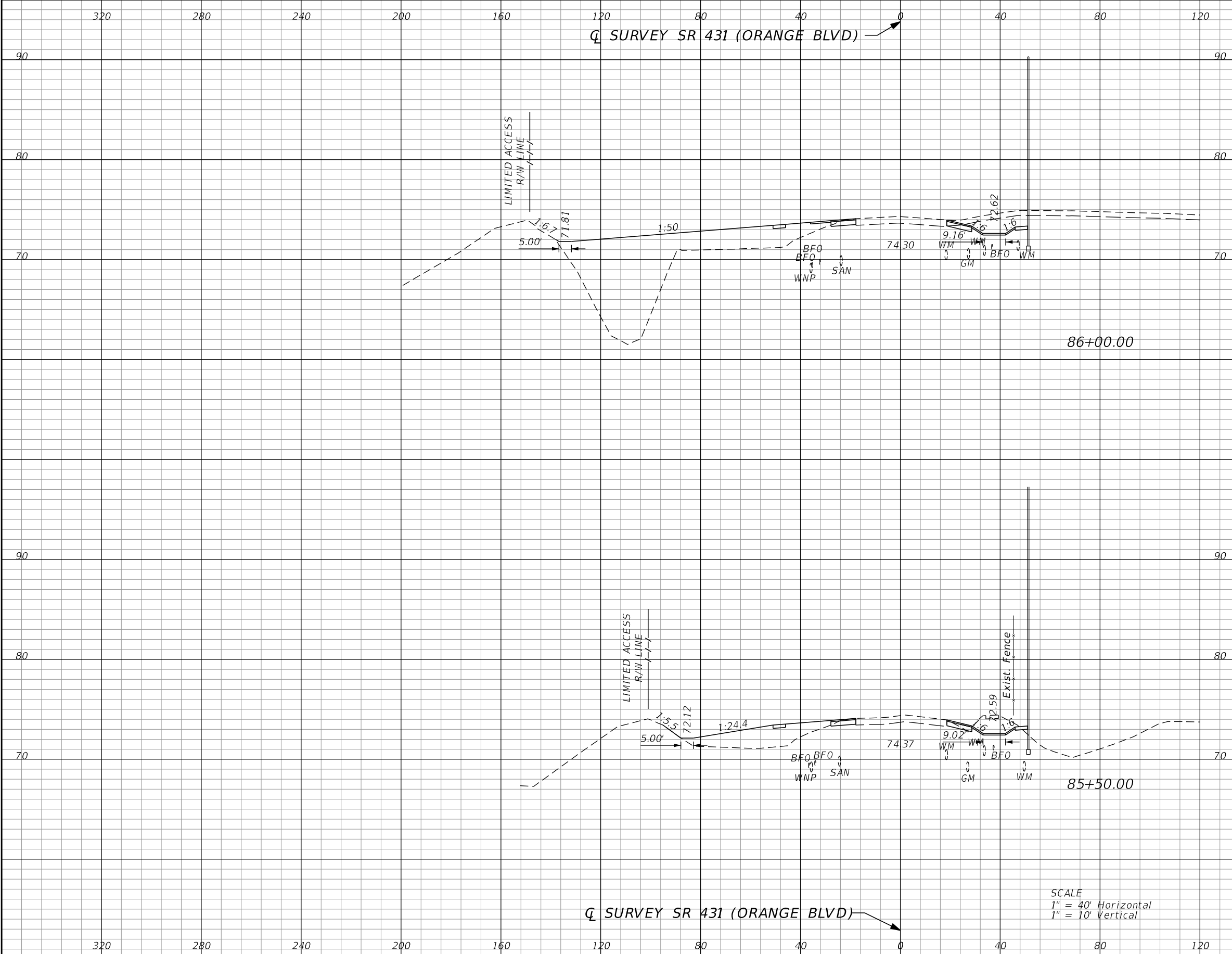
GARFIELD L. FOSTER
 P.E. LICENSE NO. 59893
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 431 (ORANGE BLVD)
CROSS SECTIONS**

SHEET NO.
1,130

Q SURVEY SR 431 (ORANGE BLVD)



Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	12.7	42	418.9	468
0.0	0	32.4	51	86.6	95

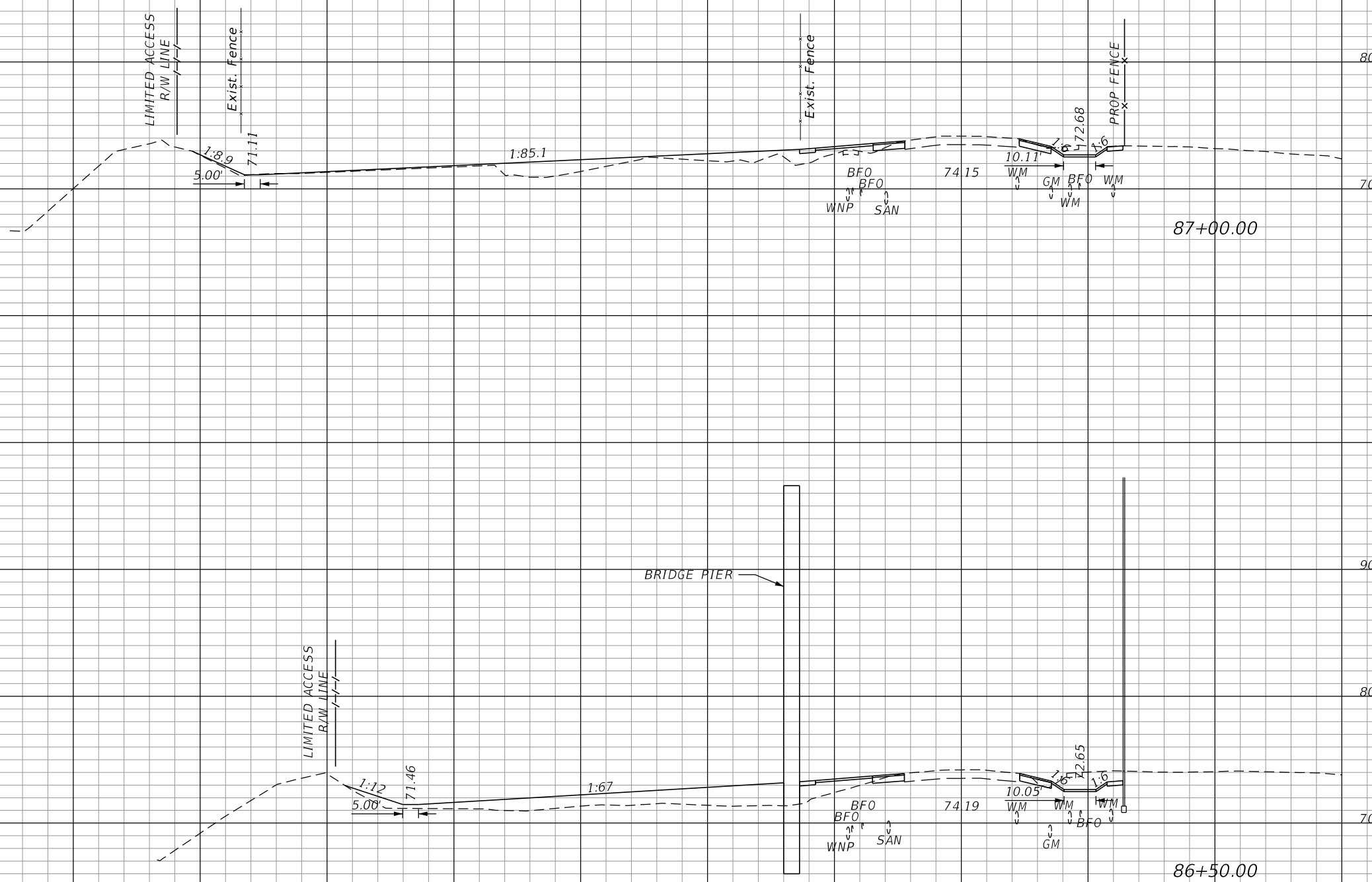
Q SURVEY SR 431 (ORANGE BLVD)

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS				GARFIELD L. FOSTER P.E. LICENSE NO. 59893 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SR 431 (ORANGE BLVD) CROSS SECTIONS	SHEET NO. 1,131
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

Q SURVEY SR 431 (ORANGE BLVD)

Q SURVEY SR 431 (ORANGE BLVD)



SCALE
1" = 40' Horizontal
1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	20.3	29	86.5	218
0.0	0	11.4	22	149.0	526

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GARFIELD L. FOSTER
P.E. LICENSE NO. 59893
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

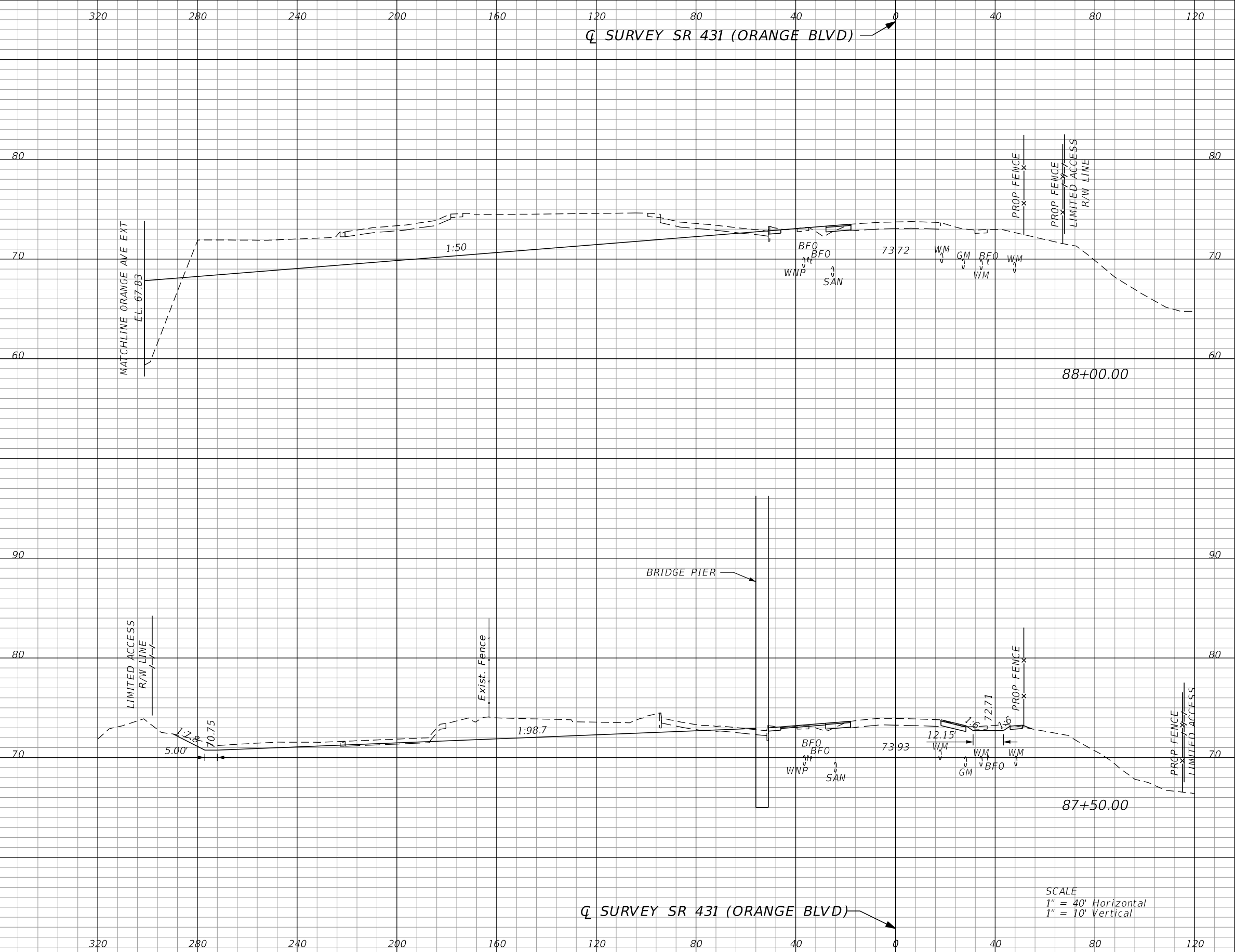
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 431 (ORANGE BLVD)
CROSS SECTIONS

SHEET NO.
1,132

Q SURVEY SR 431 (ORANGE BLVD)

Q SURVEY SR 431 (ORANGE BLVD)



SCALE
1" = 40' Horizontal
1" = 10' Vertical

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	640.2	786	82.7	91
0.0	0	208.4	212	15.3	94

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GARFIELD L. FOSTER
P.E. LICENSE NO. 59893
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 431 (ORANGE BLVD)
CROSS SECTIONS**

SHEET NO.
1,133

Q SURVEY SR 431 (ORANGE BLVD) →

SUMMARY OF EARTHWORK - SR 431 (ORANGE BLVD)

DESCRIPTION	CY	
	P	F
TOTAL REGULAR EXCAVATION:	2,274	
TOTAL EMBANKMENT:	1,591	
TOTAL SUBSOIL EXCAVATION:	0	

90

80

70

90

80

70

MATCHLINE ORANGE AVE EXT
EL. 68.76

BE 1:50

WNP
BFO
SAN
73.60
WM GM BFO
WM WM

LIMITED ACCESS
R/W LINE

88+50.00

SCALE
1" = 40' Horizontal
1" = 10' Vertical

Q SURVEY SR 431 (ORANGE BLVD) →

Subsoil Exc.		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0	517.3	1072	8.1	84

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GARFIELD L. FOSTER
P.E. LICENSE NO. 59893
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 431 (ORANGE BLVD)
CROSS SECTIONS**

SHEET NO.
1,134

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

I. SITE DESCRIPTION:

(1) NATURE OF CONSTRUCTION ACTIVITY:

(a) THE PROJECT IS LOCATED ALONG THE STATE ROAD (SR) 46 CORRIDOR IN SEMINOLE COUNTY. THE PROJECT CONSISTS OF A NEW FOUR-LANE DIVIDED LIMITED ACCESS HIGHWAY ALONG WITH TWO TWO-LANE FRONTAGE ROADS. THIS INVOLVES CONSTRUCTING ROADWAY SURFACE, CURB AND GUTTER, SIDEWALK, UNDERGROUND STORM DRAIN SYSTEMS, STORMWATER MANAGEMENT FACILITIES, AND THIRTEEN NEW BRIDGES. THE PROJECT IS APPROXIMATELY 3.5 MILES IN LENGTH FROM EAST OF WEKIVA RIVER ROAD TO ORANGE BOULEVARD.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. INSTALLATION OF SEDIMENT BARRIERS, CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE PONDS.
2. CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION.
3. STORM DRAIN CONSTRUCTION. CONSTRUCT STORM DRAIN PIPES IN THE UPSTREAM DIRECTION.
4. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF ROADWAY, GRAVITY WALL, CURB, SUBGRADE, BASE, PAVEMENT, AND SIDEWALK.
5. FINAL SOD AND LANDSCAPING.

(3) GENERAL NOTES:

- (a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
- (b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
- (c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION.
- (d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
- (e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.

- (f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
- (g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
- (h) DO NOT REMOVE PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(4) PROJECT AREAS:

TOTAL SITE AREA: 238 ACRES.
TOTAL AREA TO BE DISTURBED: 238 ACRES

(5) ESTIMATED RUNOFF COEFFICIENTS, EXISTING SOIL DATA:

ESTIMATED RUNOFF COEFFICIENTS:
BEFORE CONSTRUCTION: 0.45
DURING CONSTRUCTION: VARIES FROM 0.45 TO 0.61
AFTER CONSTRUCTION: 0.61

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL SURVEY SHEET(S). THE RESULTS OF SOIL BORINGS DONE IN THE PONDS ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE FINE SANDS.

(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE (FT)
ADAMSVILLE-SPARR	A/D	1.5-3.5
ASTATULA-APOPKA	A	--
BASINGER, SAMSULA, AND HONTOON	A/D	0.0
EAUGALLIE AND IMMOKALEE	A/D	0.5-1.5
MYAKKA AND EAUGALLIE	A/D	0.5-1.5
PAOLA-ST. LUCIE	A	--
POMELLO	A	2.0-5.0
TAVARES-MILLHOPPER	A	3.5-6.0
WABASSO	C/D	0.5-1.5

REFERENCE: NRCS WEB SOIL SURVEY SEMINOLE COUNTY FLORIDA

(7) ESTIMATED DRAINAGE FLOW DIRECTION AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:

- (a) SITE MAP: INCLUDED WITH THE PROJECT PLAN SET.
- (b) DRAINAGE MAPS OR MAPS WITH APPROPRIATE CONTOURS: INCLUDED WITH THE PROJECT PLAN SET. EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED TO BEST POSSIBLE EXTENT. STORMWATER WILL BE CONVEYED BY CLOSED SYSTEMS. ALL ROADWAY STORMWATER WILL BE ROUTED TO ONE OF SIX PONDS BEFORE DISCHARGING TO RECEIVING WATERS.

(8) RECEIVING WATERS / WETLAND AREAS:

OUTFALL ID	RECEIVING WATER	DA (AC)	LAT	LONG	OFW
OUTFALL WRI/2	WEKIVA RIVER	83.0	28°48'56"	81°24'54" W	YES
OUTFALL FPC	YANKEE LAKE	--	28°48'57"	81°23'31" W	NO
OUTFALL YLI	YANKEE LAKE	48.54	28°48'49"	81°23'26" W	NO
OUTFALL YL2	YANKEE LAKE	33.4	28°48'53"	81°23'06" W	NO
OUTFALL LS	SYLVAN LAKE	111.6	28°48'45"	81°22'41" W	NO
OUTFALL CC	SYLVAN LAKE	18.2	28°48'27"	81°22'09" W	NO

(9) WETLAND AND/OR SURFACE WATER IMPACTS:

ESTIMATED TOTAL WETLAND IMPACTS = 9.44 AC.
WETLAND IMPACTS ARE DESCRIBED IN THE APPROVED PERMITS OF THE PROJECT.

(10) DESCRIPTION OF STORMWATER MANAGEMENT (EXISTING / PROPOSED):

- (a) EXISTING AND PROPOSED DRAINAGE FLOWS ARE TYPICALLY CONVEYED THROUGH STORM SEWER INLETS AND PIPES, ROADSIDE DITCHES, SIDEDRAINS AND CROSSEDRAINS ALONG THE PROJECT.
- (b) OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
- (c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
- (d) STORMWATER RUNOFF SHALL BE CONVEYED TO EITHER TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR TO PERMANENT STORMWATER MANAGEMENT FACILITIES (TREATMENT AND ATTENUATION PONDS). THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PLUGGED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL.
- (e) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE U.S.

II. CONTROLS

SEDIMENT AND EROSION CONTROLS

(1) WATER QUALITY MONITORING:

- (a) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ADMINISTRATOR.
- (b) THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTU) ABOVE BACKGROUND OR GREATER THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (c) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY, THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (LESS THAN 29 NTU ABOVE BACKGROUND OR LESS THAN 0 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (d) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE PROJECT ENGINEER.

(2) STABILIZATION PRACTICES:

- (a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BEST MANAGEMENT PRACTICES (BMP) AND THE USE OF ROLLED EROSION CONTROL PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).
- (b) STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

REVISIONS				DUSTIN E. PERKINS P.E. LICENSE NO. 69225 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 1,135
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

III. OTHER CONTROLS:

(1) WASTE DISPOSAL

- (a) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
- (b) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- (c) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE.
- (d) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

(2) OFF-SITE VEHICLE TRACKING - WILL BE CONTROLLED BY THE FOLLOWING METHODS:

- (a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES.
- (b) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY.

(3) STATE AND FEDERAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

FDEP ERP, NPDES, U.S.ACOE NATIONWIDE

(4) NON-STORMWATER (INCLUDING SPILL REPORTING)

THE CONTRACTOR WILL PROVIDE THE FDOT WITH AN EROSION AND SEDIMENT CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT RANDY STAFFORD, DISTRICT CONTAMINATION IMPACT COORDINATOR AT (386) 943-5395.

IV. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

- (1) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.
- (2) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- (3) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEED STORMWATER FLOW OR DRAINAGE.
- (4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEED THE USEFULNESS OF THE STRUCTURE.

V. INSPECTION:

- (1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT.
- (2) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE FDEP CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
- (3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.
- (4) ALL EROSION AND CONTROL DEVICES WILL BE INSPECTED WITHIN 24 HOURS OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER.

VI. TRACKING AND REPORTING:

- (1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.
- (3) THE CONTRACTOR SHALL USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03 FOR DAILY INSPECTIONS.

REVISIONS				DUSTIN E. PERKINS P.E. LICENSE NO. 69225 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,136
					429	SEMINOLE	240200-2-52-01		

- (c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN.
- (d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.
- (e) SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN THERE ARE WETLANDS OR WATERS OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.
- (f) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE.
- (g) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.

(3) STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL

(a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS)

PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.

- (1) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES.
- (2) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED. COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR DITCHES.
- (3) USED TO STABILIZE DRAINAGE CHANNELS. CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION.

(b) RUNOFF CONTROL STRUCTURE (TEMPORARY SLOPE DRAIN)

PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER.

- (1) USED ON FILL SLOPES AND CUT SLOPES TO REDUCE SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS.
- (2) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN.

(c) SEDIMENT BASIN (CONTAINMENT SYSTEM)

PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASIN.

- (1) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2 OR TYPE 3 SYSTEM.
- (2) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUMES OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS.

(d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP)

PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY.

- (1) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC.
- (2) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW THE TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOW POINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES.
- (3) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNELS WITH CONCENTRATED FLOW (UNLESS PROPERLY REINFORCED), UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS.

(e) FLOATING TURBIDITY BARRIER

PURPOSE: USED IN PERMANENT BODIES OF WATER TO RETAIN SEDIMENT AND FLOATING DEBRIS FROM A CONSTRUCTION AREA SO THAT REMOVAL OR CONTAINMENT OF THE MATERIAL IS POSSIBLE. THEY ARE ALSO USED TO CONTROL MIGRATION OF SUSPENDED SEDIMENTS.

- (1) TYPE I, LIGHT DUTY, IS USED WHERE THERE IS LITTLE OR NO CURRENT, NO WIND AND NO WAVE ACTION.
- (2) TYPE II, MODERATE DUTY IS USED WITH SOME CURRENT (<3.5 FT. PER SECOND) AND SOME EXPOSURE TO WIND.
- (3) TYPE III, HEAVY DUTY, IS USED WITH GREATER CURRENT (3.5-5.0 FT. PER SECOND), MODERATE WIND AND WAVE ACTION.
- (4) BARRIER MUST BE ATTACHED AT BOTH ENDS AND WEIGHTED ON THE BOTTOM.
- (5) MULTIPLE LINES OF BARRIER MAY BE USED IN SOME CIRCUMSTANCES FOR ADDITIONAL PROTECTION.
- (6) STANDARD PANELS FOR WATER DEPTHS ARE 5.0'. ADDITIONAL PANELS CAN BE USED FOR WATER DEPTHS > 5.0'.

(f) STAKED TURBIDITY BARRIER

PURPOSE: THIS ITEM IS COMMONLY USED IN AREAS WHERE CONTINUOUS CONSTRUCTION ACTIVITIES CHANGE THE NATURAL CONTOURS AND DRAINAGE RUNOFF PATTERNS.

- (1) COMMONLY USED IN LAKES AND STREAMS AS A SEDIMENT CONTAINMENT SYSTEM. SHOULD NOT BE USED WHERE WATER CURRENTS MOVE THE CURTAIN AND DISLodge COLLECTED SEDIMENTS.
- (2) MAXIMUM DEPTH OF PANEL IS 3'-8".
- (3) POST MUST BE A MINIMUM LENGTH OF 5.0' AND A MINIMUM OF 10" OF FABRIC MUST BE IMBEDDED IN THE GROUND.

(g) INLET PROTECTION SYSTEM

PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET.

- (1) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURB INLET SUMP.
- (2) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ON-GOING AND ONLY WHERE SUMP CONDITIONS EXIST.
- (3) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LANES.

(h) SOIL TRACKING PREVENTION DEVICE

PURPOSE: TEMPORARY STRUCTURES TO ASSIST WITH THE REMOVAL OF SOIL MATERIAL CAPTURED ON VEHICLE TIRES BEFORE THE VEHICLES ENTER THE ROADWAY.

- (1) USE ONE DEVICE PER MILE WITH A MINIMUM OF TWO PER PROJECT.
- (2) USE ADDITIONAL DEVICES FOR CONSTRUCTION AREAS THAT ARE NOT ADJACENT TO THE ROAD RIGHT OF WAY AND NO ACCESS IS PROVIDED THROUGH A SOIL TRACKING PREVENTION DEVICE.

(4) CHEMICAL TREATMENTS FOR EROSION AND SEDIMENT CONTROL

(a) CHEMICAL TREATMENT - POLYACRYLAMIDES (PAM AND PAM BLENDS)

PURPOSE: REDUCE SOIL EROSION THROUGH SOIL BINDING, USED AS A WATER TREATMENT ADDITIVE TO REMOVE SUSPENDED SOLIDS FROM RUNOFF, PROVIDES APPROPRIATE MEDIUM FOR GROWTH OF VEGETATION FOR STABILIZATION AND INCREASES INFILTRATION BY INCREASING SIZE OF SOIL PARTICLE.

- (1) CAN BE USED ON DISTURBED SOILS. CAN BE USED IN CONJUNCTION WITH OTHER BMP'S TO ENHANCE PERFORMANCE. CAN BE APPLIED IN DISSOLVED FORM WITH WATER, CAN BE USED AS A DRY POWDER, CAN BE USED IN GRANULAR FORM OR MAY BE USED IN THE FORM OF FLOC LOGS.
- (2) HIGHER CONCENTRATION OF PAM DOES NOT INCREASE THE EFFECTIVENESS OF THE PRODUCT.
- (3) ACTIVELY WORKED AREAS WILL REQUIRE REAPPLICATION TO REMAIN EFFECTIVE.
- (4) PAM SHOULD NOT BE USED WHERE THERE IS A POTENTIAL FOR EQUIPMENT CLOGGING OR TOXICITY IS A CONCERN.

(b) CHEMICAL TREATMENT - ALUM

PURPOSE: REMOVE SUSPENDED SOLIDS AND POLLUTANTS BY ENMESHMENT AND ABSORPTION INTO ALUM. COLLECT FLOCS OF SUSPENDED SEDIMENTS IN RUNOFF AND STORE THEM IN SEDIMENT BASINS OR STORMWATER MANAGEMENT FACILITIES.

- (1) ALUM IS INJECTED INTO THE FLOW STREAM CONTAINING TURBID WATER. INJECTION IS CONTROLLED BY VARIABLE SPEED CHEMICAL PUMP TO FEED ALUM AT MULTIPLE TREATMENT POINTS. ALUM TREATMENT IS EFFECTIVE IN TREATMENT OF RUNOFF THAT CONTAINS LIMEROCK FROM UNPAVED SURFACES.
- (2) ALUM TREATMENT REQUIRES CLOSE MONITORING OF DOSAGE. COMBINATION WITH OTHER COMPOUNDS MAY VIOLATE TOXICITY REQUIREMENTS AND THE USE OF ALUM MAY LOWER Ph LEVELS.

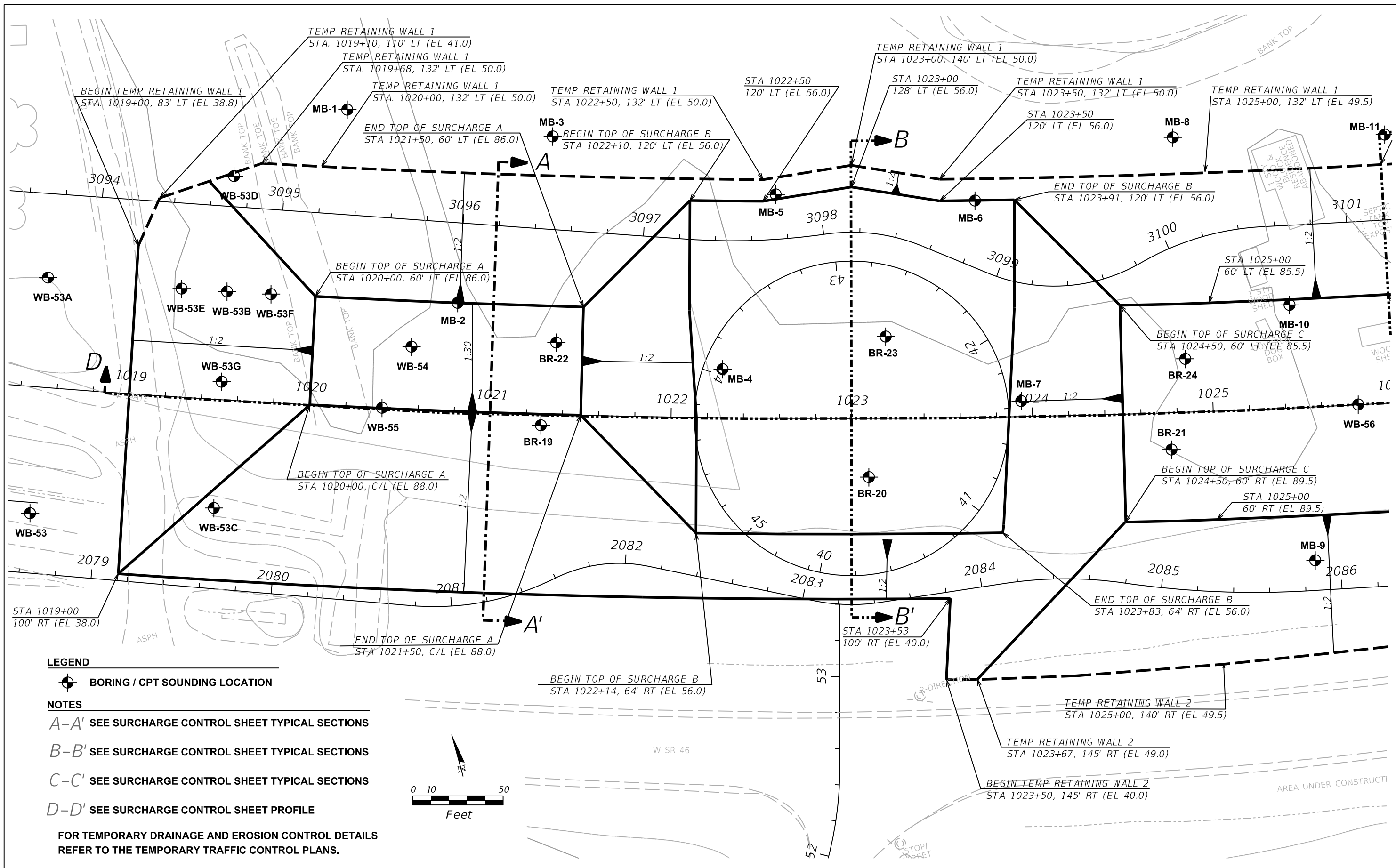
(5) DEWATERING OPERATION (OPTIONAL - BASED ON PROJECT APPLICABILITY)

DESCRIPTION: DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF TURBID WATER WHEN WATERS OTHER THAN STORMWATER AND ACCUMULATED SURFACE WATERS MUST BE REMOVED FROM A LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED. THESE WATERS CAN INCLUDE GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS AND WATER USED DURING CONSTRUCTION THAT MUST BE REMOVED FROM A WORK AREA.

- (a) ENVIRONMENTAL AGENCIES ARE ESPECIALLY CONCERNED WITH THE PROTECTION OF WETLANDS FROM DRAWDOWN EFFECTS, PROTECTING RECEIVING BODIES FROM SEDIMENTATION AND POSSIBLE CAPACITY LIMITATIONS.
- (b) THREE PRIMARY METHODS OF DEWATERING COMMONLY USED IN FLORIDA ARE RIM-DITCHING, SOCK/PIPE/HORIZONTAL WELLS AND WELL-POINT SYSTEMS.
- (c) METHODS FOR CONTAINING SEDIMENTATION CAN INCLUDE A COMBINATION OF BMP'S AND SEDIMENT TRAPS, SEDIMENT BASINS, GRAVITY BAG FILTERS, WEIR TANKS, DEWATERING TANKS, SAND MEDIA/PRESSURIZED BAGS AND CHEMICAL TREATMENTS.

REVISIONS				DUSTIN E. PERKINS P.E. LICENSE NO. 69225 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 1,137
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

BORING / CPT SOUNDING LOCATION

NOTES

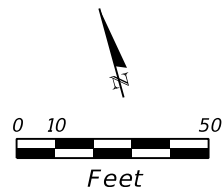
A-A' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS

B-B' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS

C-C' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS

D-D' SEE SURCHARGE CONTROL SHEET PROFILE

FOR TEMPORARY DRAINAGE AND EROSION CONTROL DETAILS REFER TO THE TEMPORARY TRAFFIC CONTROL PLANS.



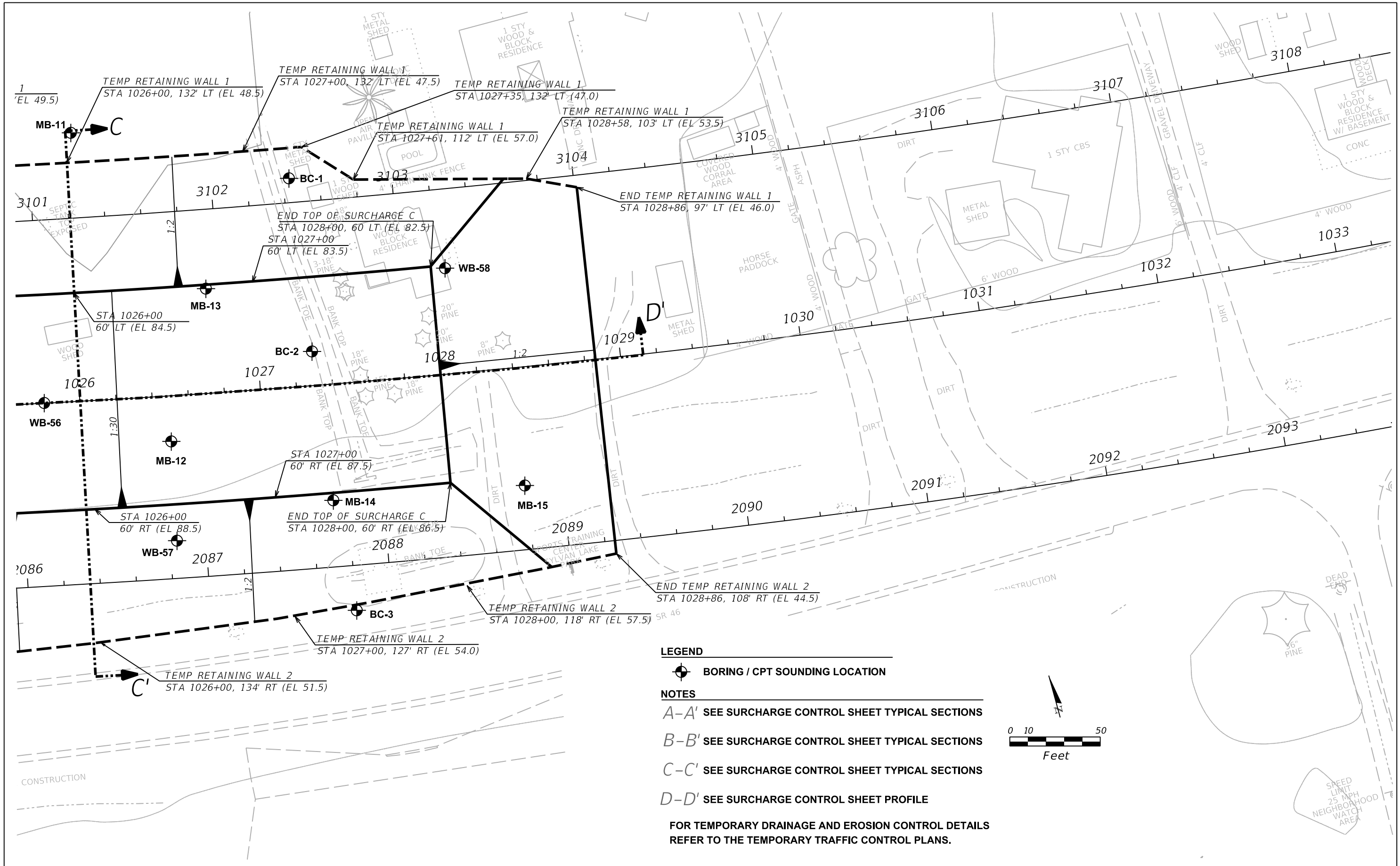
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SURCHARGE CONTROL SHEET
PLAN VIEW

SHEET NO.
1,138



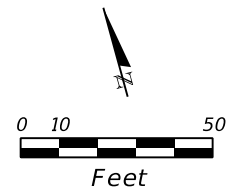
LEGEND

BORING / CPT SOUNDING LOCATION

NOTES

- A-A' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS
- B-B' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS
- C-C' SEE SURCHARGE CONTROL SHEET TYPICAL SECTIONS
- D-D' SEE SURCHARGE CONTROL SHEET PROFILE

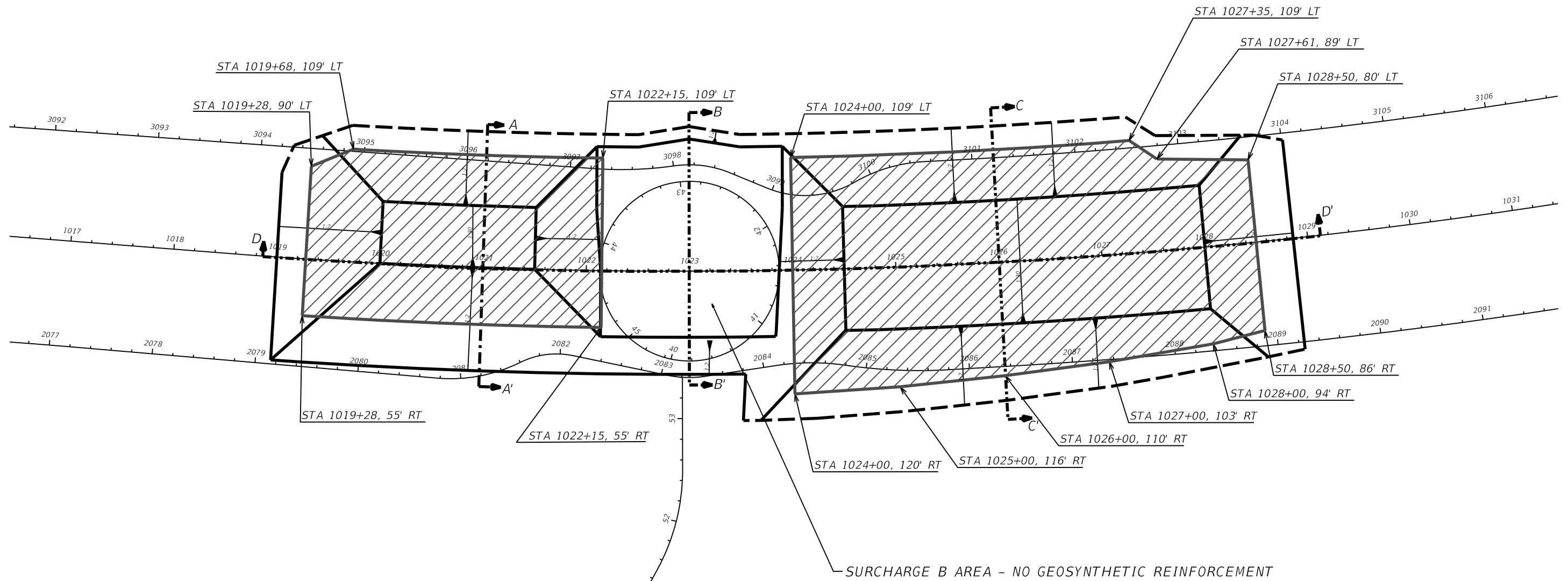
FOR TEMPORARY DRAINAGE AND EROSION CONTROL DETAILS REFER TO THE TEMPORARY TRAFFIC CONTROL PLANS.



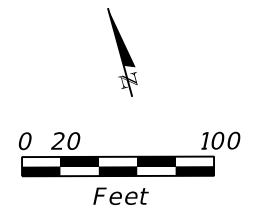
REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO.42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SURCHARGE CONTROL SHEET PLAN VIEW	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,139
					429	SEMINOLE	240200-2-52-01		

SURCHARGE A - GEOSYNTHETIC REINFORCEMENT PLAN VIEW LIMITS

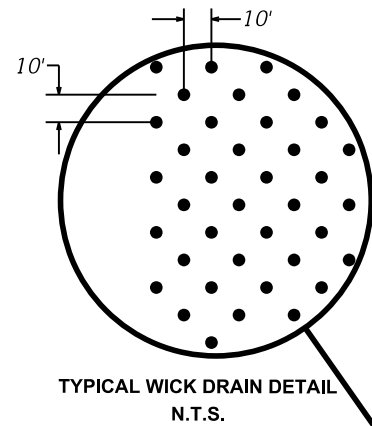
SURCHARGE C - GEOSYNTHETIC REINFORCEMENT PLAN VIEW LIMITS



GEOSYNTHETIC REINFORCEMENT TO BE INSTALLED
PER TECHNICAL SPECIAL PROVISIONS AND AS SHOWN
IN CROSS SECTIONS A-A' AND C-C'

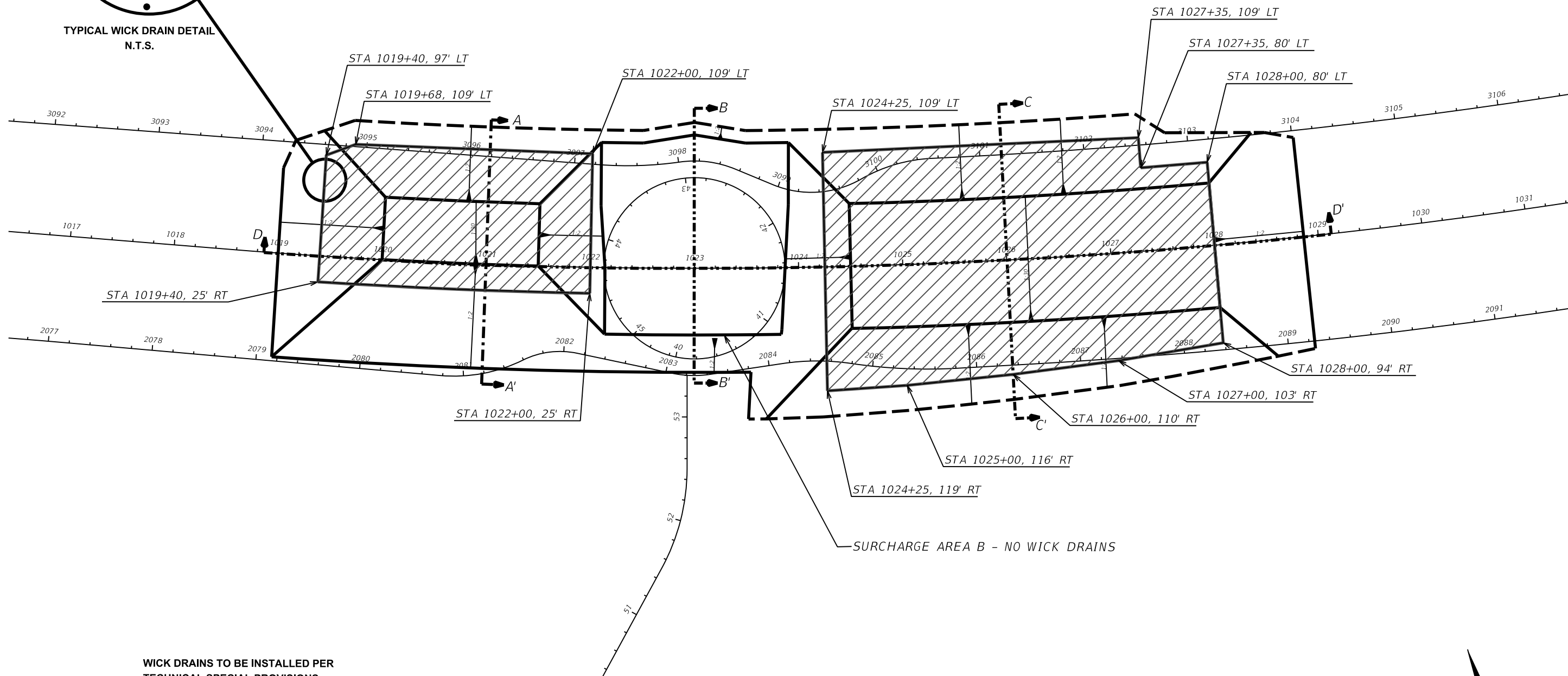


REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SURCHARGE CONTROL SHEET GEOSYNTHETIC REINFORCEMENT PLAN VIEW	SHEET NO. 1,140
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

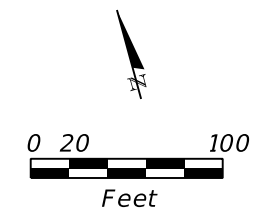


SURCHARGE A - WICK DRAIN PLAN VIEW LIMITS
WICK DRAINS TO BE INSTALLED TO ELEVATION -10

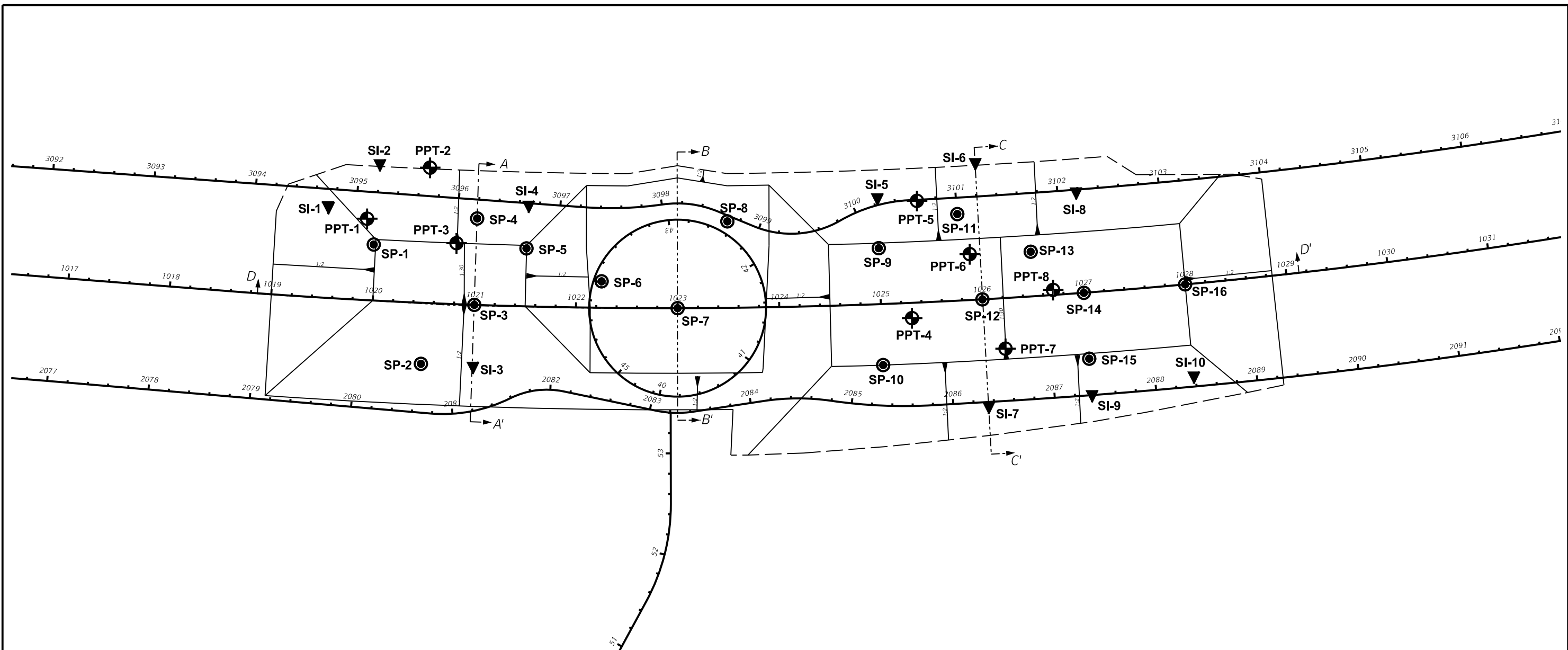
SURCHARGE C - WICK DRAIN PLAN VIEW LIMITS
WICK DRAINS TO BE INSTALLED TO ELEVATION -50



WICK DRAINS TO BE INSTALLED PER
TECHNICAL SPECIAL PROVISIONS



REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SURCHARGE CONTROL SHEET WICK DRAIN PLAN VIEW LIMITS	SHEET NO. 1,141
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



● SETTLEMENT PLATE LOCATION

SETTLEMENT PLATE NO.	STATION (SR 429 C/L)	OFFSET (FT.)
SP - 1	1020+00	55 LT
SP - 2	1020+50	60 RT
SP - 3	1021+00	C/L
SP - 4	1021+00	85 LT
SP - 5	1021+50	57 LT
SP - 6	1022+25	26 LT
SP - 7	1023+00	C/L
SP - 8	1023+50	85 LT
SP - 9	1025+00	55 LT
SP - 10	1025+00	60 RT
SP - 11	1025+80	85 LT
SP - 12	1026+00	C/L
SP - 13	1026+50	44 LT
SP - 14	1027+00	C/L
SP - 15	1027+00	65 RT
SP - 16	1028+00	C/L

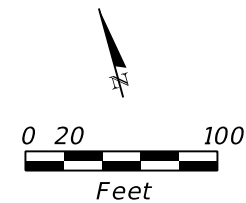
⊕ PORE PRESSURE TRANSDUCER LOCATION

PRESSURE TRANSDUCER NO.	STATION (SR 429 C/L)	OFFSET (FT.)	APPROXIMATE TIP ELEVATION (FT. NAVD88)	TOP ELEVATION (FT. NAVD88)	TUBING LENGTH (FT.)
PPT - 1	1019+90	80 LT	15	77	62
PPT - 2	1020+50	133 LT	15	33	18
PPT - 3	1020+80	60 LT	5	88	83
PPT - 4	1025+30	15 RT	0	90	90
PPT - 5	1025+40	100 LT	5	67	62
PPT - 6	1025+90	45 LT	10	88	78
PPT - 7	1026+20	50 RT	-10	90	100
PPT - 8	1026+70	5 LT	0	89	89

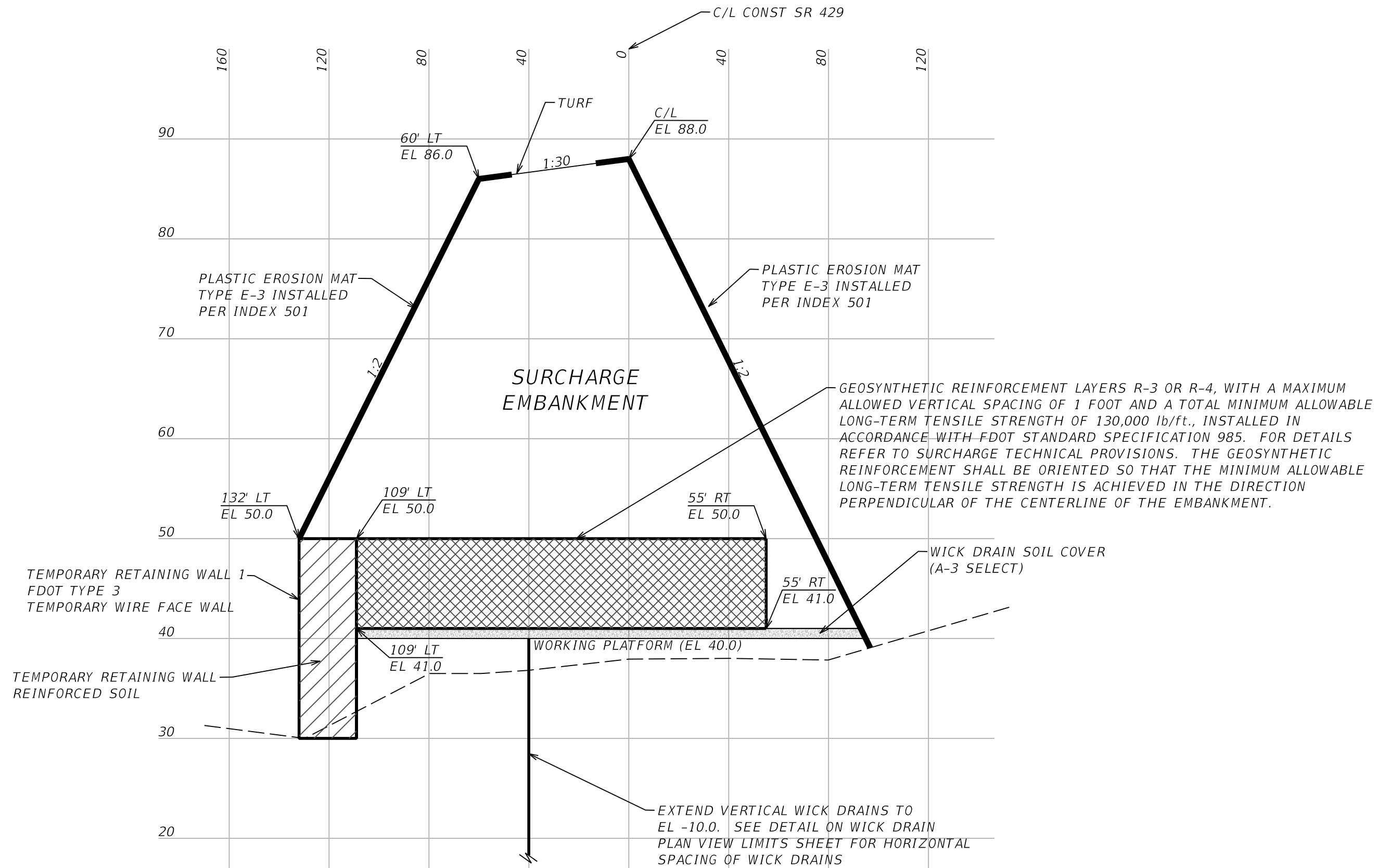
▼ INCLINOMETER CASING LOCATION

INCLINOMETER CASING NO.	STATION (SR 429 C/L)	OFFSET (FT.)	TIP ELEVATION (FT. NAVD88)	TOP ELEVATION (FT. NAVD88)	CASING LENGTH (FT.)
SI - 1	1019+50	90 LT	-5	63	68
SI - 2	1020+00	135 LT	-10	35	45
SI - 3	1021+00	60 RT	10	60	50
SI - 4	1021+50	100 LT	-5	68	73
SI - 5	1025+00	105 LT	10	66	56
SI - 6	1026+00	135 LT	0	37	37
SI - 7	1026+00	105 RT	-10	70	80
SI - 8	1027+00	100 LT	10	66	56
SI - 9	1027+00	100 RT	-10	70	80
SI - 10	1028+00	90 RT	-10	73	83

NOTE
REFER TO SURCHARGE TECHNICAL PROVISIONS FOR DETAILS REGARDING INSTALLATION OF SURCHARGE INSTRUMENTATION.



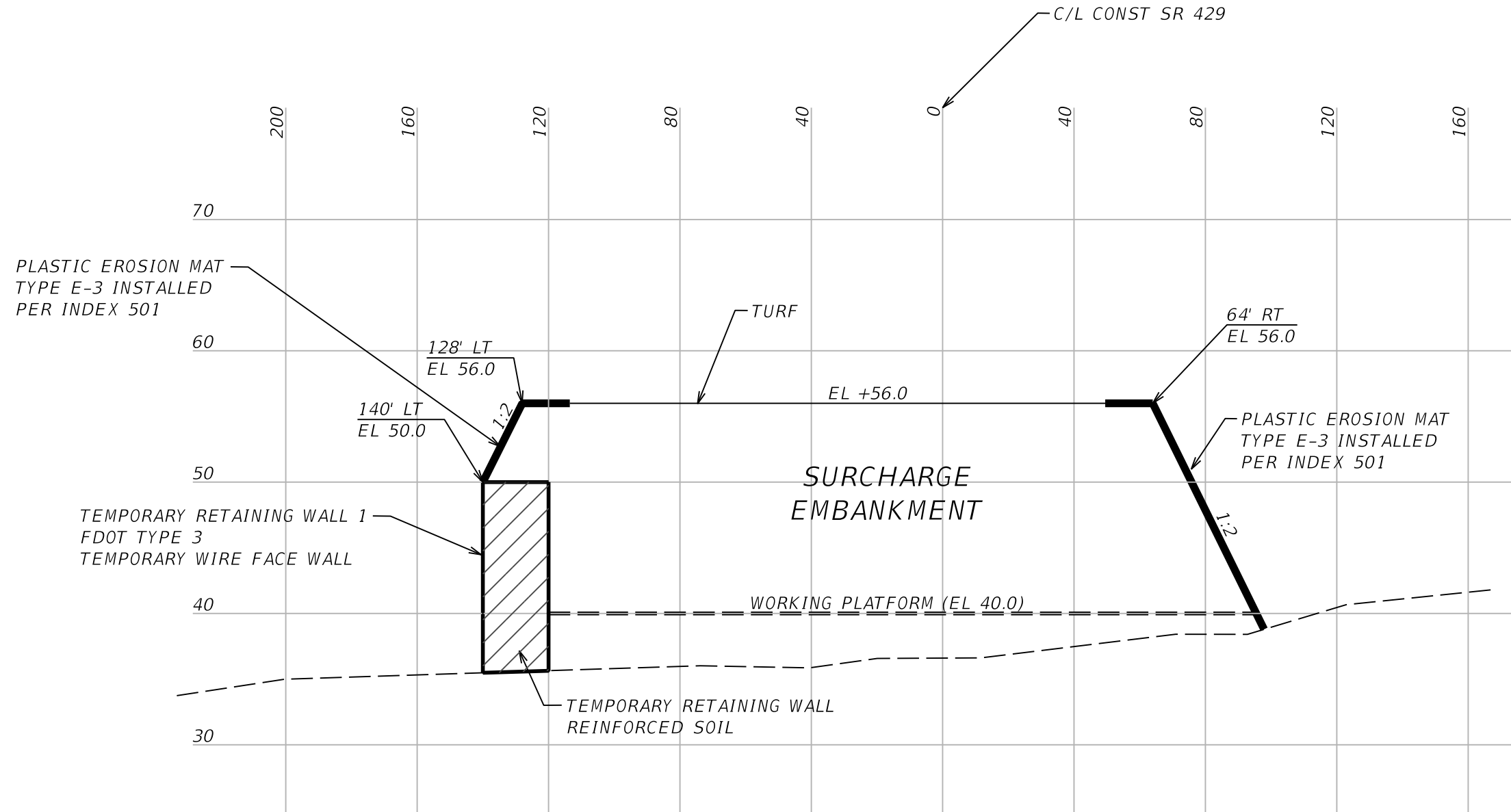
REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SURCHARGE INSTRUMENTATION PLAN VIEW	SHEET NO. 1,142
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



A-A' TYPICAL SECTION - SURCHARGE A

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

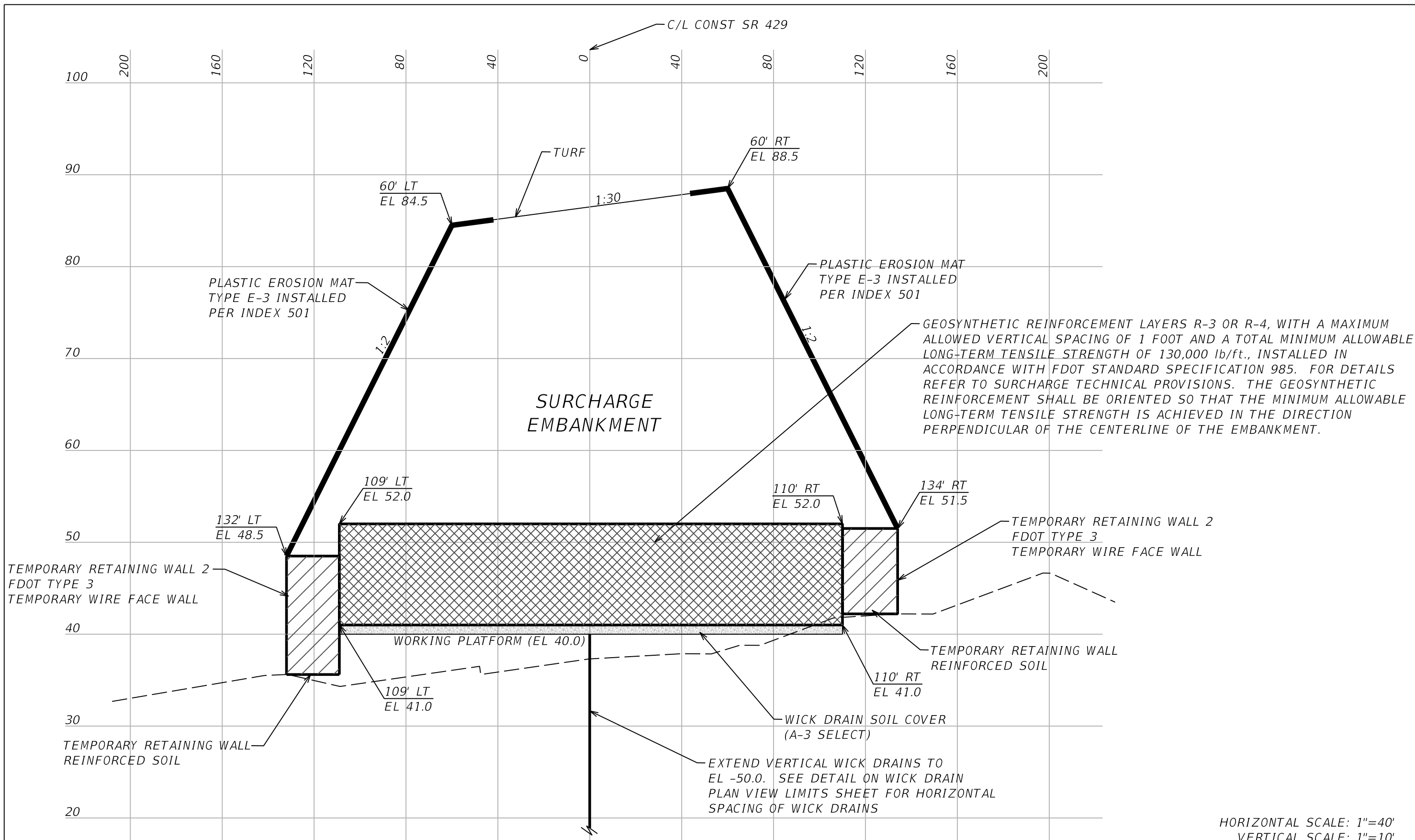
REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION A-A' SURCHARGE A	SHEET NO. 1,143
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



B-B' TYPICAL SECTION - SURCHARGE B

HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=10'

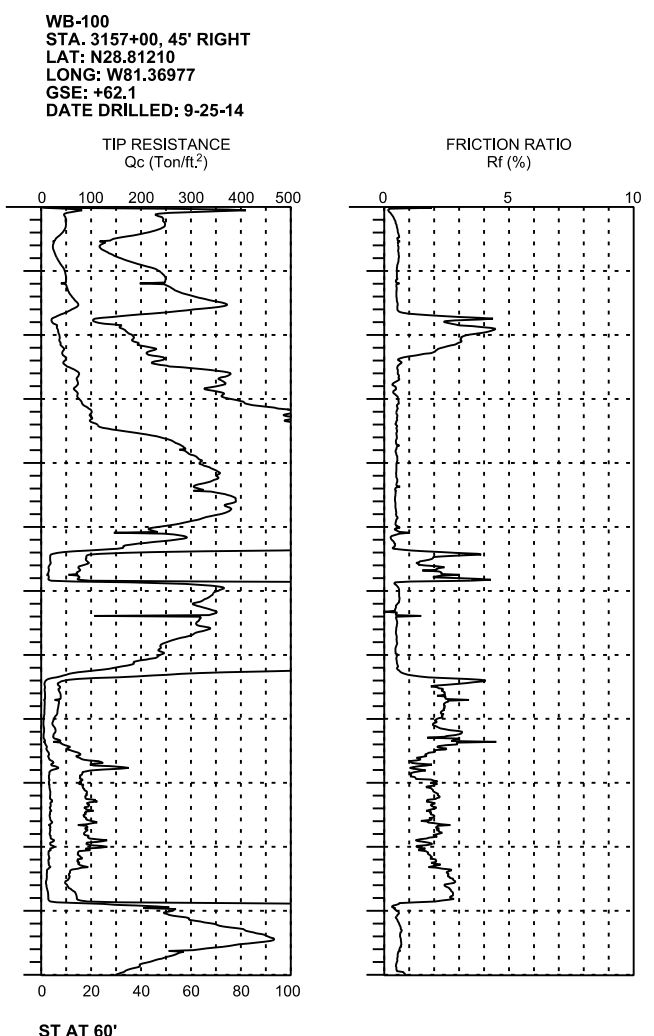
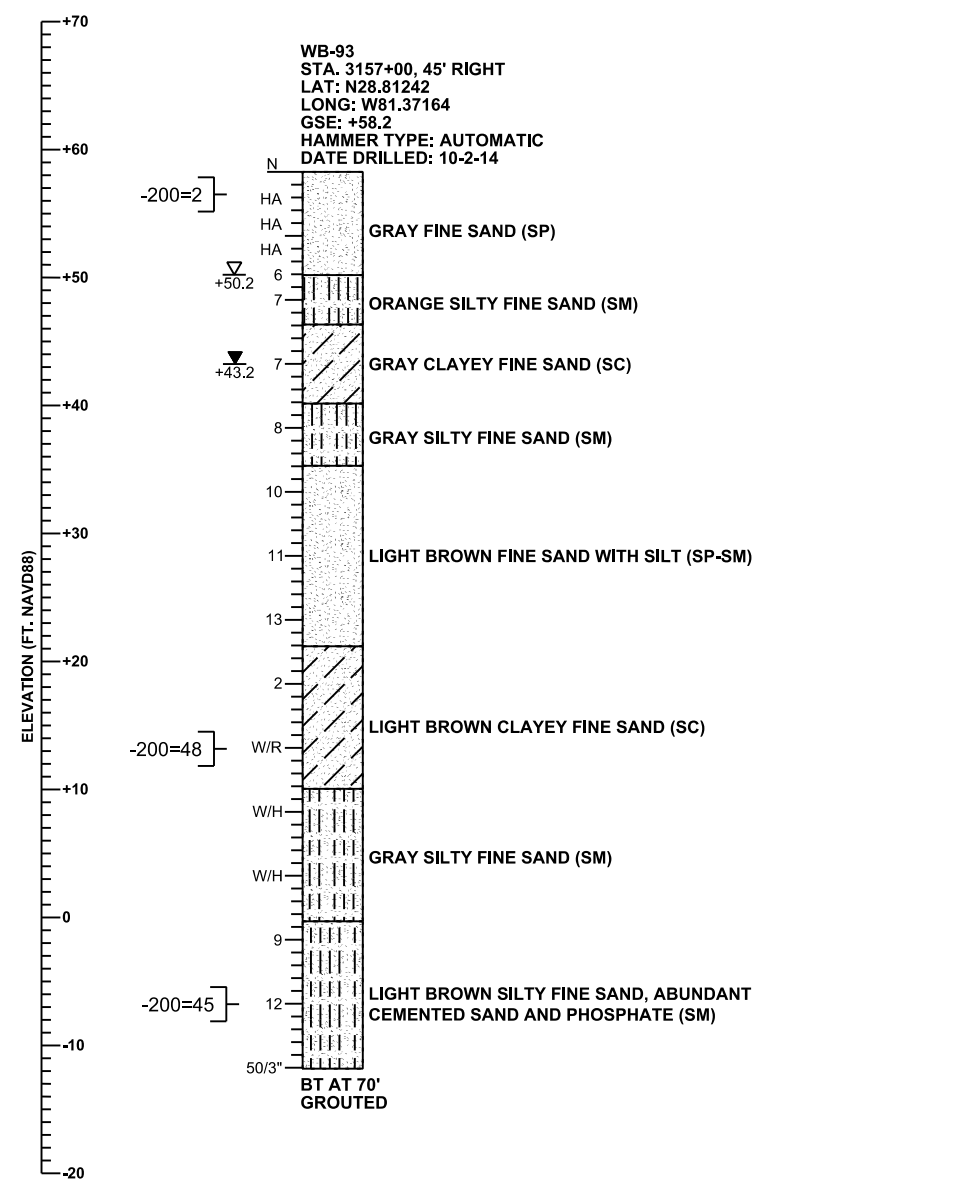
REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION B-B' SURCHARGE B	SHEET NO. 1,144
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		



C-C' TYPICAL SECTION - SURCHARGE C

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

REVISIONS				GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION C-C' SURCHARGE C	SHEET NO. 1,145
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						429	SEMINOLE		240200-2-52-01



- LEGEND**
- GSE GROUND SURFACE ELEVATION (FT. NAVD88)
 - N STANDARD PENETRATION RESISTANCE, BLOWS PER FOOT
 - HA HAND AUGERED FOR UTILITY CLEARANCE
 - 50/3" NUMBER OF BLOWS FOR 3 INCHES OF PENETRATION
 - W/H WEIGHT OF HAMMER
 - W/R WEIGHT OF ROD
 - ▽ +50.2 ESTIMATED SEASONAL HIGH GROUNDWATER ELEVATION (FT. NAVD88)
 - ▽ +43.2 ENCOUNTERED GROUNDWATER ELEVATION (FT. NAVD88) 24 HRS. AFTER DATE DRILLED
 - BT BORING TERMINATED AT DEPTH INDICATED
 - ST SOUNDING TERMINATED AT DEPTH INDICATED
 - 200= PERCENT PASSING NO. 200 U.S. STANDARD SIEVE
-

GENERAL NOTES

ELECTRONIC CONE PENETRATION TEST SOUNDINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-3441-79.

STANDARD PENETRATION TEST BORINGS WERE PERFORMED IN ACCORDANCE WITH ASTM D-1586. STANDARD PENETRATION RESISTANCES ARE SHOWN ON THE BORINGS AT THE TEST DEPTHS IN IN BLOWS PER FOOT UNLESS OTHERWISE NOTED.

SUBSURFACE CONDITIONS SHOWN REPRESENT THE CONDITIONS ENCOUNTERED AT THE BORING AND SOUNDING LOCATIONS. ACTUAL CONDITIONS BETWEEN THE BORINGS AND SOUNDINGS MAY VARY FROM THOSE SHOWN. UNIFIED SOIL CLASSIFICATIONS SHOWN ON THE BORINGS ARE BASED ON VISUAL EXAMINATION AND THE LABORATORY TESTING SHOWN.

THE BORING AND SOUNDING LOCATIONS WERE NOT SURVEYED. BORING AND SOUNDING LOCATIONS WERE ESTABLISHED IN THE FIELD USING A SUB-METER ACCURACY GPS UNIT (TRIMBLE GEO XT AND XH) FOR HORIZONTAL CONTROL. GROUND SURFACE ELEVATIONS ESTIMATED FROM PROJECT CROSS SECTIONS. BORING AND SOUNDING LOCATIONS WB-93, WB-100, WB-103, WB-122 AND WB-123 REFERENCE THE WB FRONTAGE ROAD CENTERLINE.

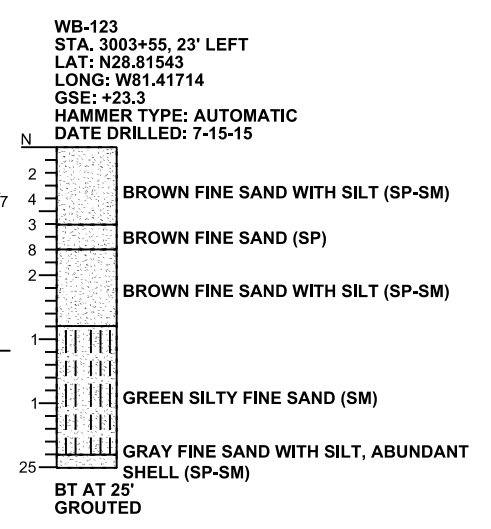
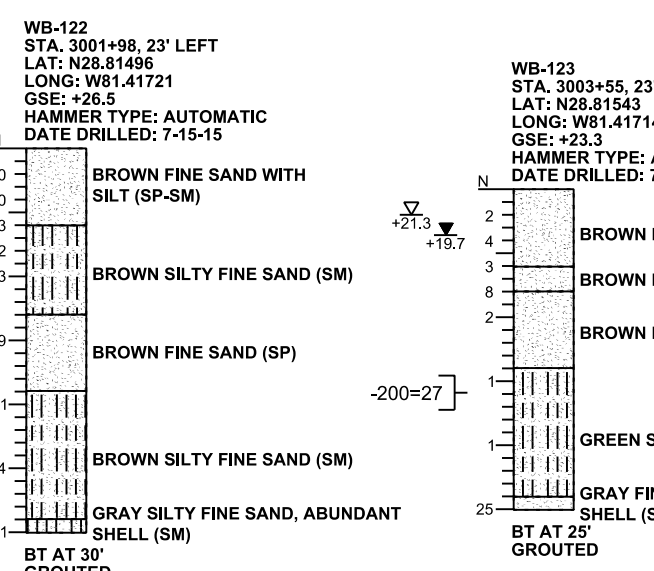
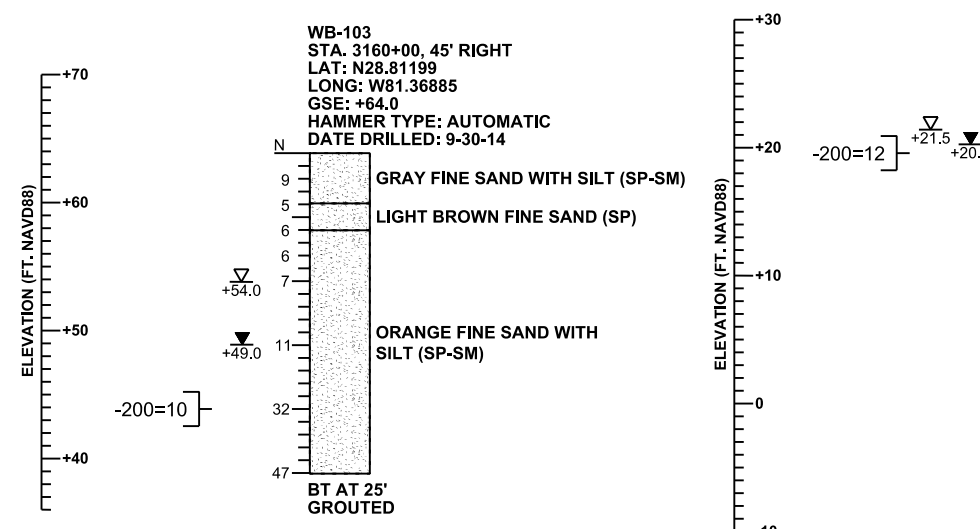
SPLIT SPOON SAMPLER:
 INSIDE DIAMETER: 1.375 IN.
 OUTSIDE DIAMETER: 2.0 IN.
 AVERAGE HAMMER DROP: 30 IN.
 HAMMER WEIGHT: 140 LBS.
 HAMMER TYPE: SEE BORING

WB-93, WB-100 AND WB-113
 SECTION: 25
 TOWNSHIP: 19 SOUTH
 RANGE: 29 EAST

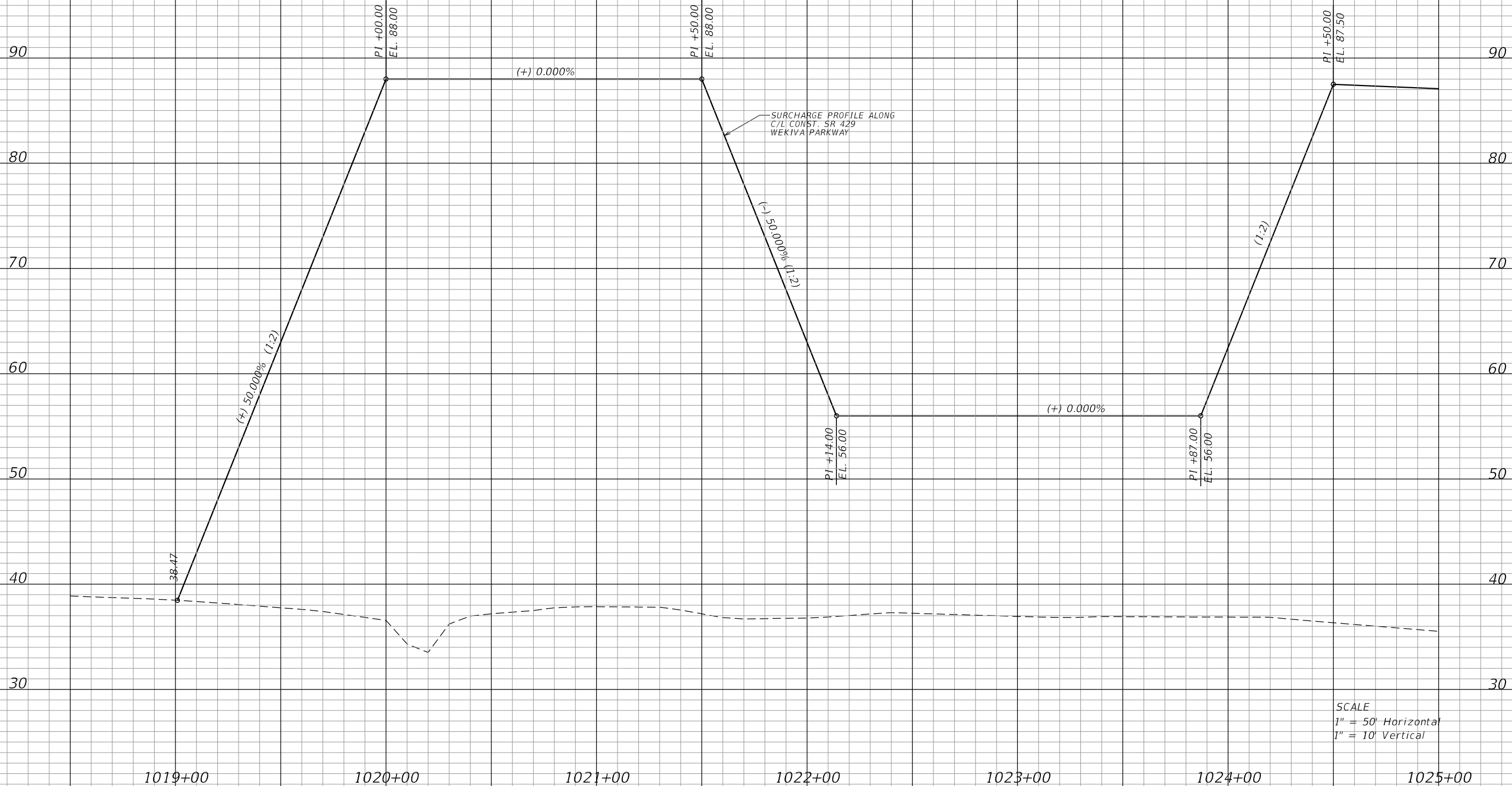
WB-122 AND WB-123
 SECTION: 21
 TOWNSHIP: 19 SOUTH
 RANGE: 20 EAST

CORRELATION OF STANDARD PENETRATION RESISTANCE WITH RELATIVE DENSITY AND CONSISTENCY OF SOIL

GRANULAR SOILS	MANUAL HAMMER	AUTOMATIC HAMMER	RELATIVE DENSITY
	N VALUE (blows per foot)	N VALUE (blows per foot)	
SANDS	0-4	0-3	VERY LOOSE
	4-10	3-8	LOOSE
	10-30	8-24	MEDIUM DENSE
	30-50	24-40	DENSE
	OVER 50	OVER 40	VERY DENSE
NON-GRANULAR SOILS	MANUAL HAMMER	AUTOMATIC HAMMER	CONSISTENCY
	N VALUE (blows per foot)	N VALUE (blows per foot)	
SILTS, CLAYS, MUCK, PEAT	0-2	0-1	VERY SOFT
	2-4	1-3	SOFT
	4-8	3-6	FIRM
	8-15	6-12	STIFF
	15-30	12-24	VERY STIFF
	OVER 30	OVER 24	HARD



REVISIONS						GEO TECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO. 42763			ROAD NO. COUNTY FINANCIAL PROJECT ID			REPORT OF SPT BORINGS AND CPT SOUNDINGS FOR STRUCTURES		1,146
						429	SEMINOLE	240200-2-52-01	PROJECT NAME:		WEKIVA PARKWAY (SR 429) SECTION 7A RETAINING WALLS		SHEET NO.	
													BW-163	



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

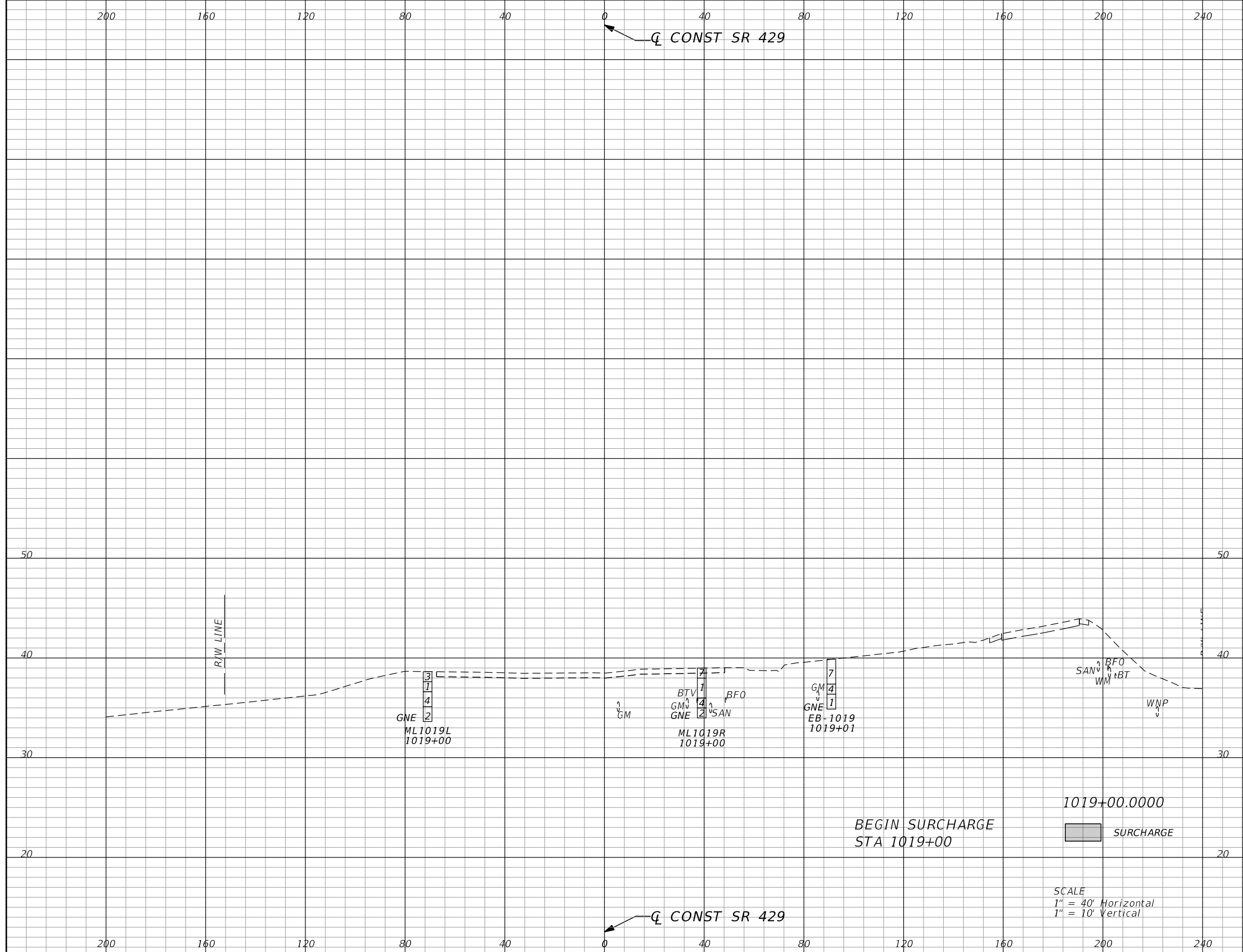
SURCHARGE PROFILE D-D'

SHEET NO.
1,147



SCALE
 1" = 50' Horizontal
 1" = 10' Vertical

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. 919 Lake Baldwin Lane Orlando, FL 32814 T 407-898-1818 F 407-898-1837 Certificate of Authorization No. 5882 DANIEL C. STANFILL PE NO.42763			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>429</td> <td>SEMINOLE</td> <td>240200-2-52-01</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	429	SEMINOLE	240200-2-52-01	SURCHARGE PROFILE D-D'		SHEET NO. 1,148
REVISIONS																														
DATE	DESCRIPTION	DATE	DESCRIPTION																											
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																												
429	SEMINOLE	240200-2-52-01																												



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	0				

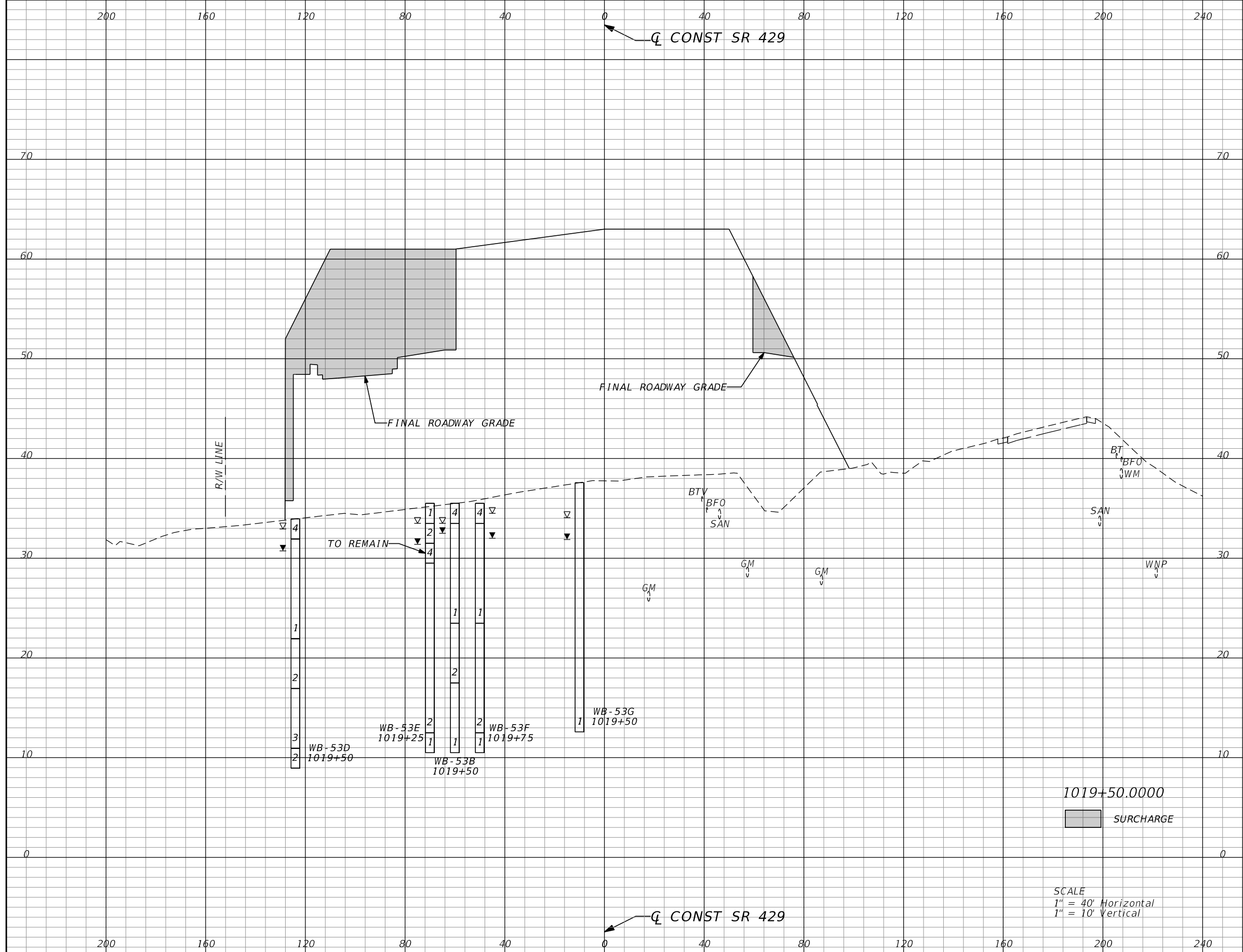
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,149



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
834.1	766				

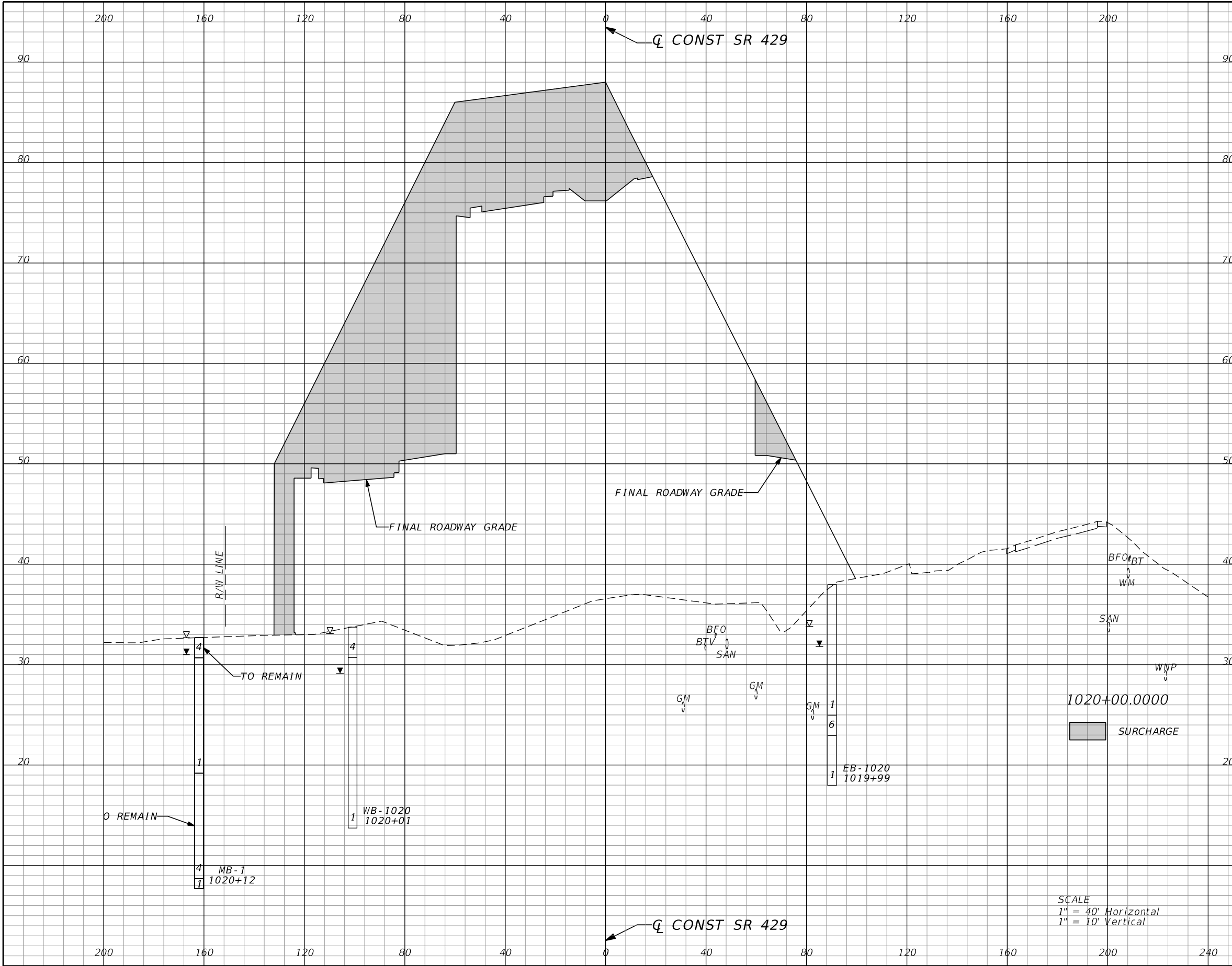
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429	SURCHARGE CROSS SECTIONS	SHEET NO. 1,150
---------------	---------------------------------	---------------------------

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
2318.3	2881				

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

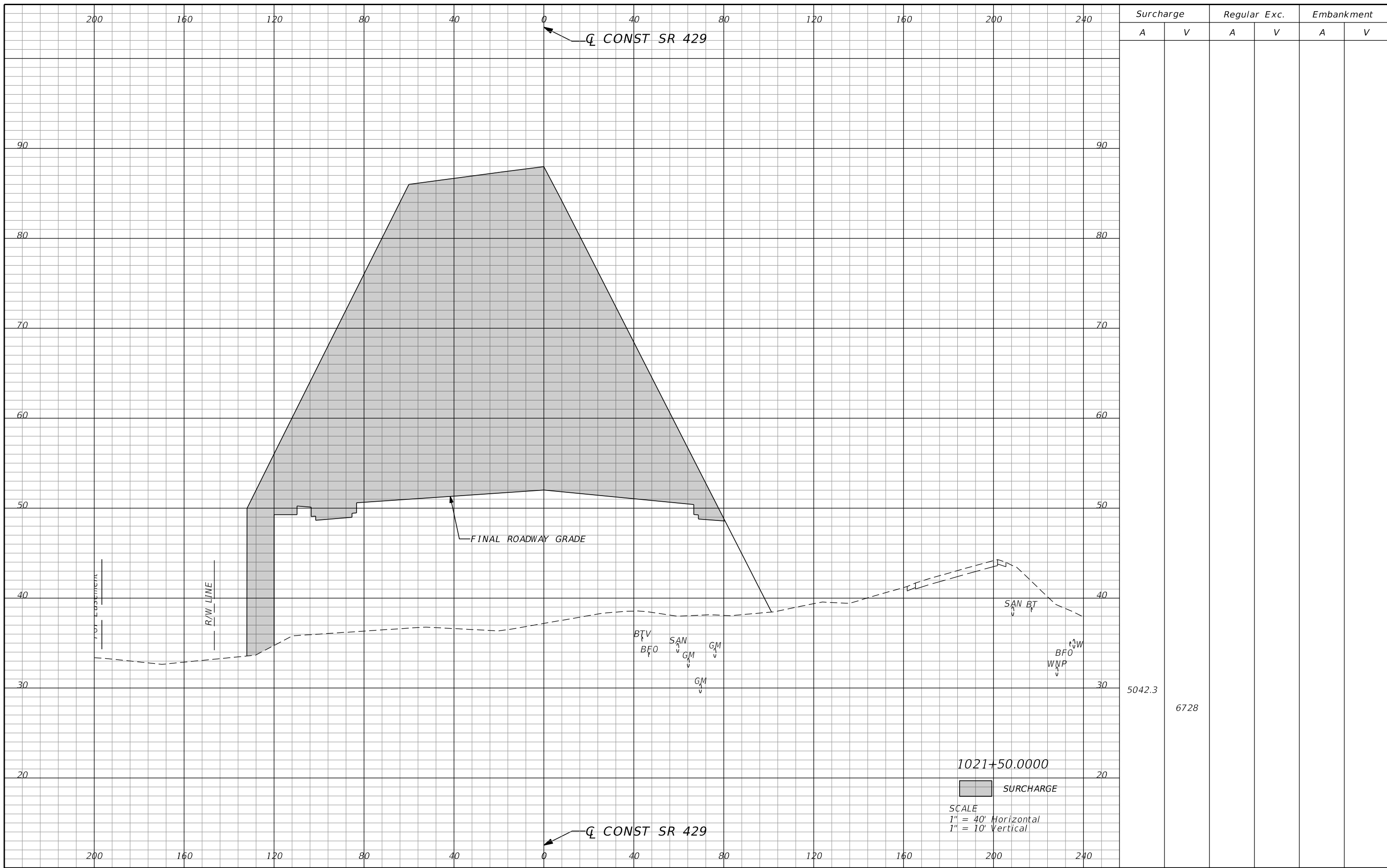
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,151

PRELIMINARY: NOT FOR CONSTRUCTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

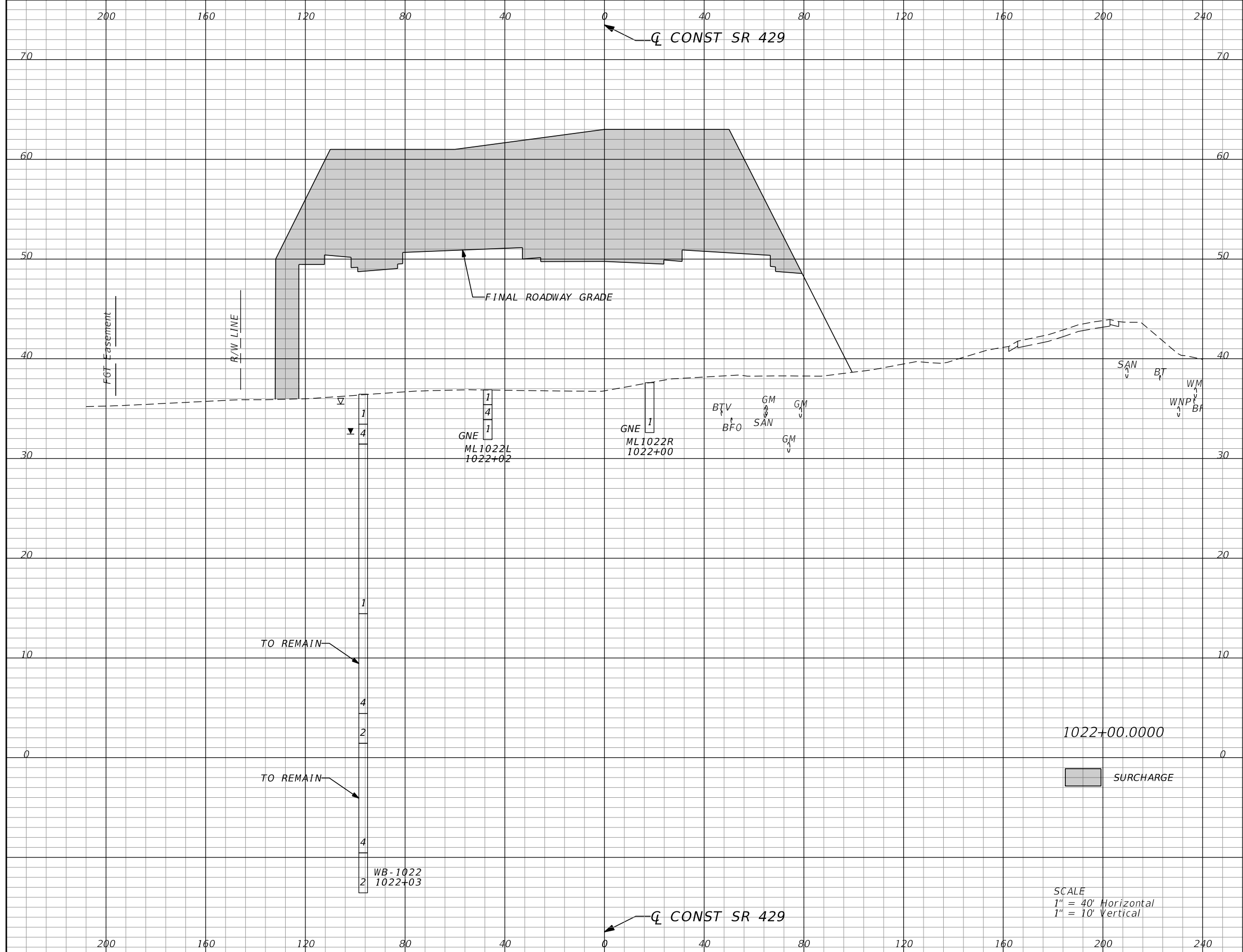
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
 1,154

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
2330.9	6788				

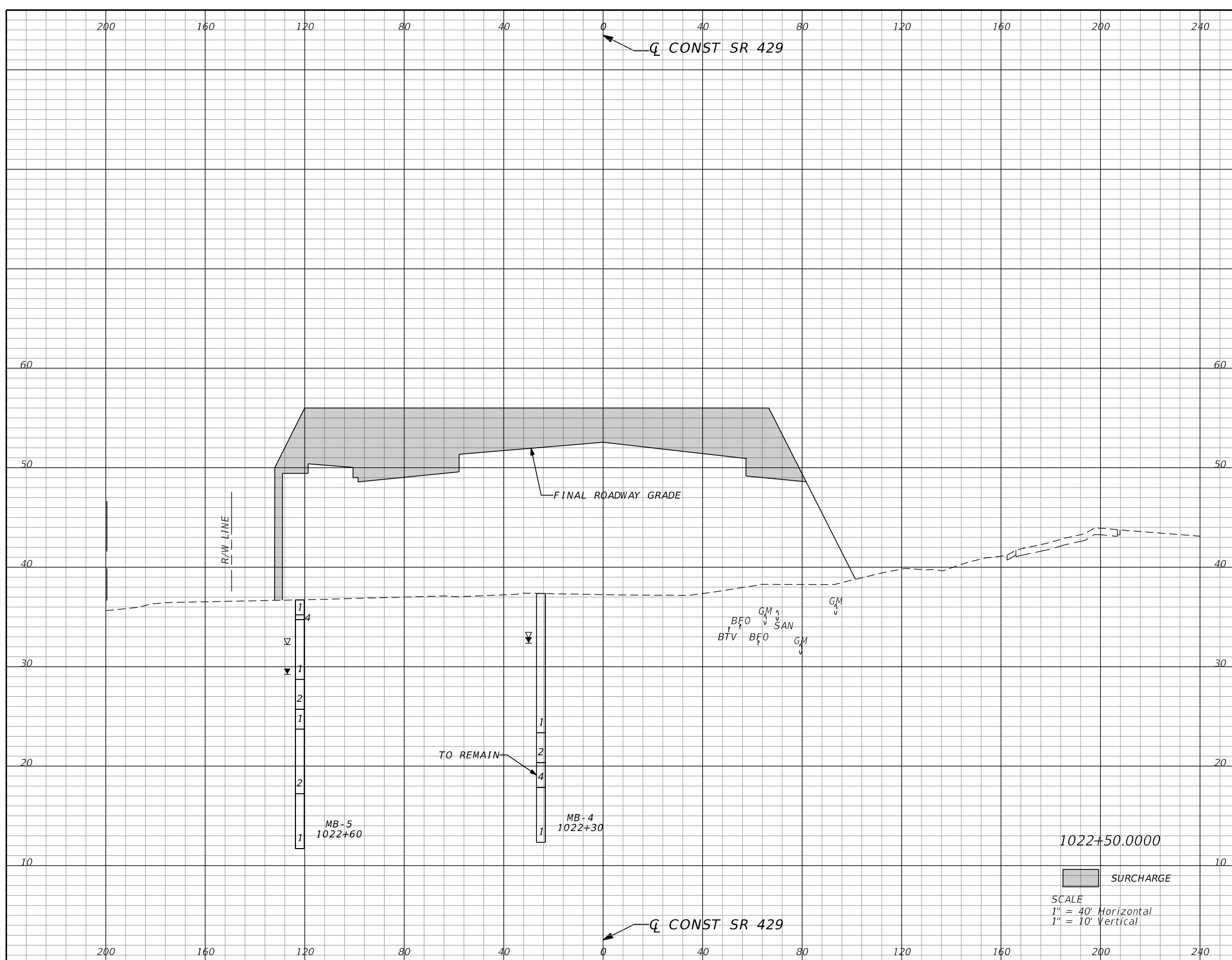
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429		SHEET NO.
SURCHARGE CROSS SECTIONS		1,155

PRELIMINARY: NOT FOR CONSTRUCTION



1022+50.0000
 SURCHARGE
 SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
1086.5	3145				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

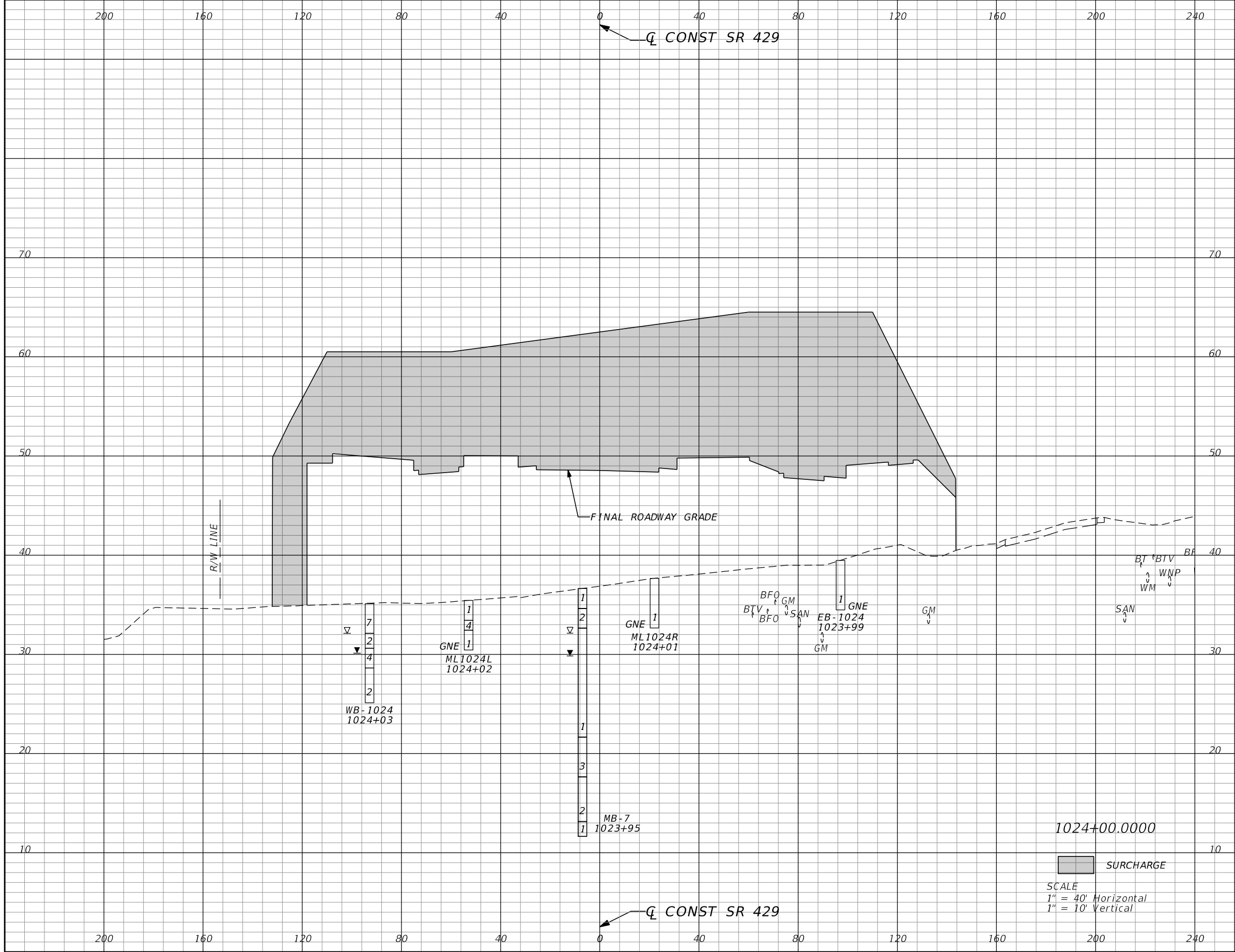
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO. 1,156

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
3550.2	4442				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

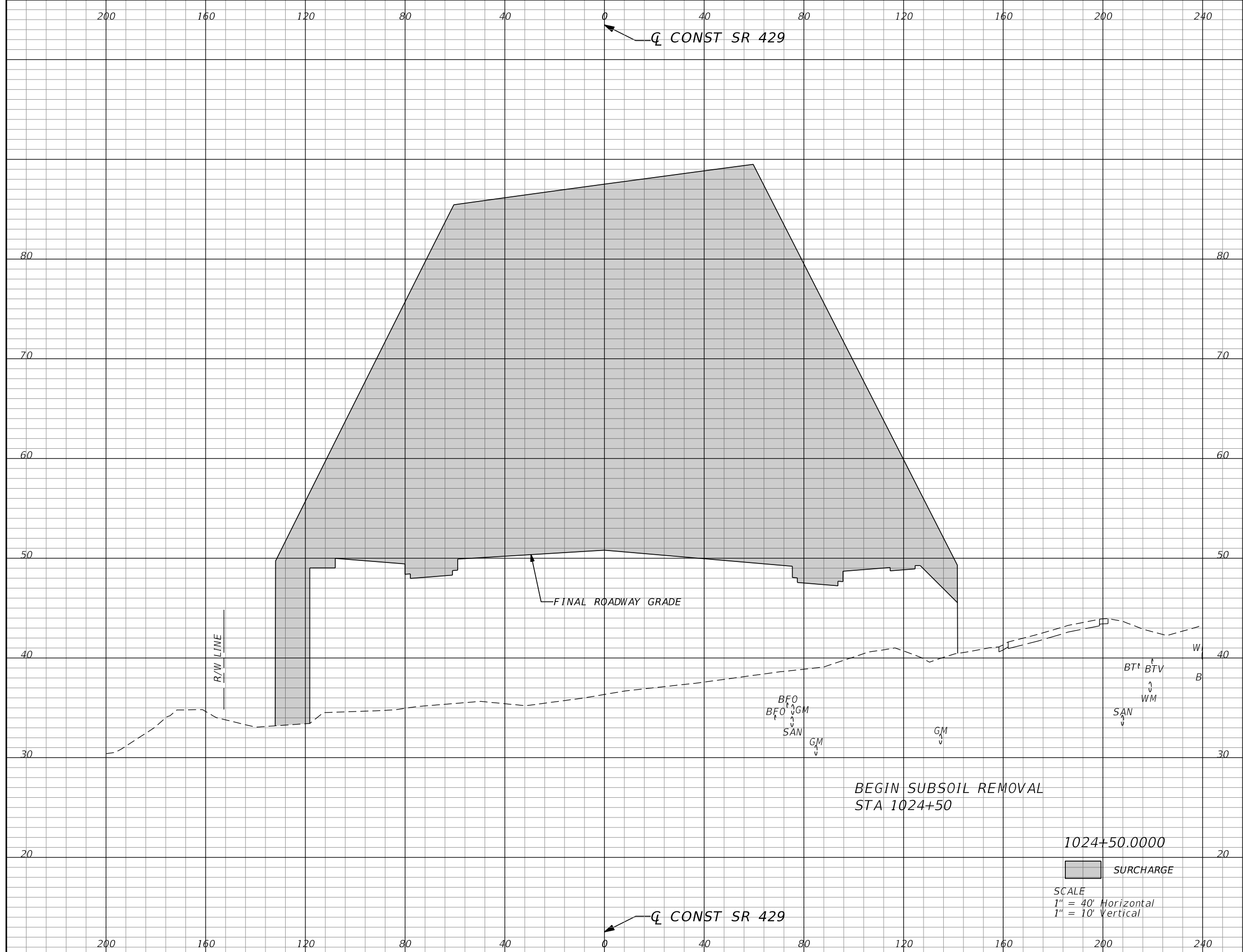
**STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**SR 429
 SURCHARGE CROSS SECTIONS**

SHEET NO.	1,159
-----------	-------

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
7739.6	10460				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

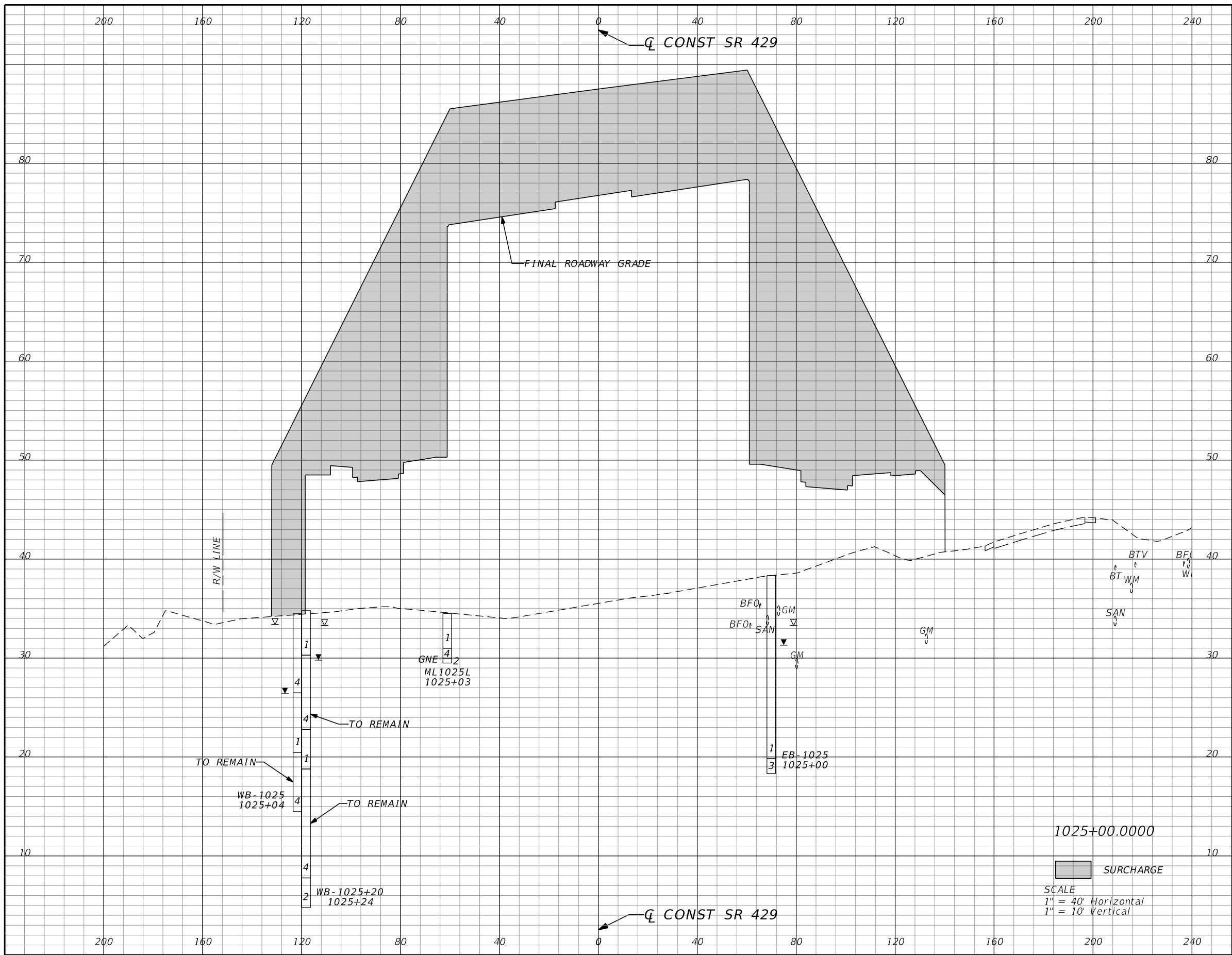
**STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,160

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4519.3	11355				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

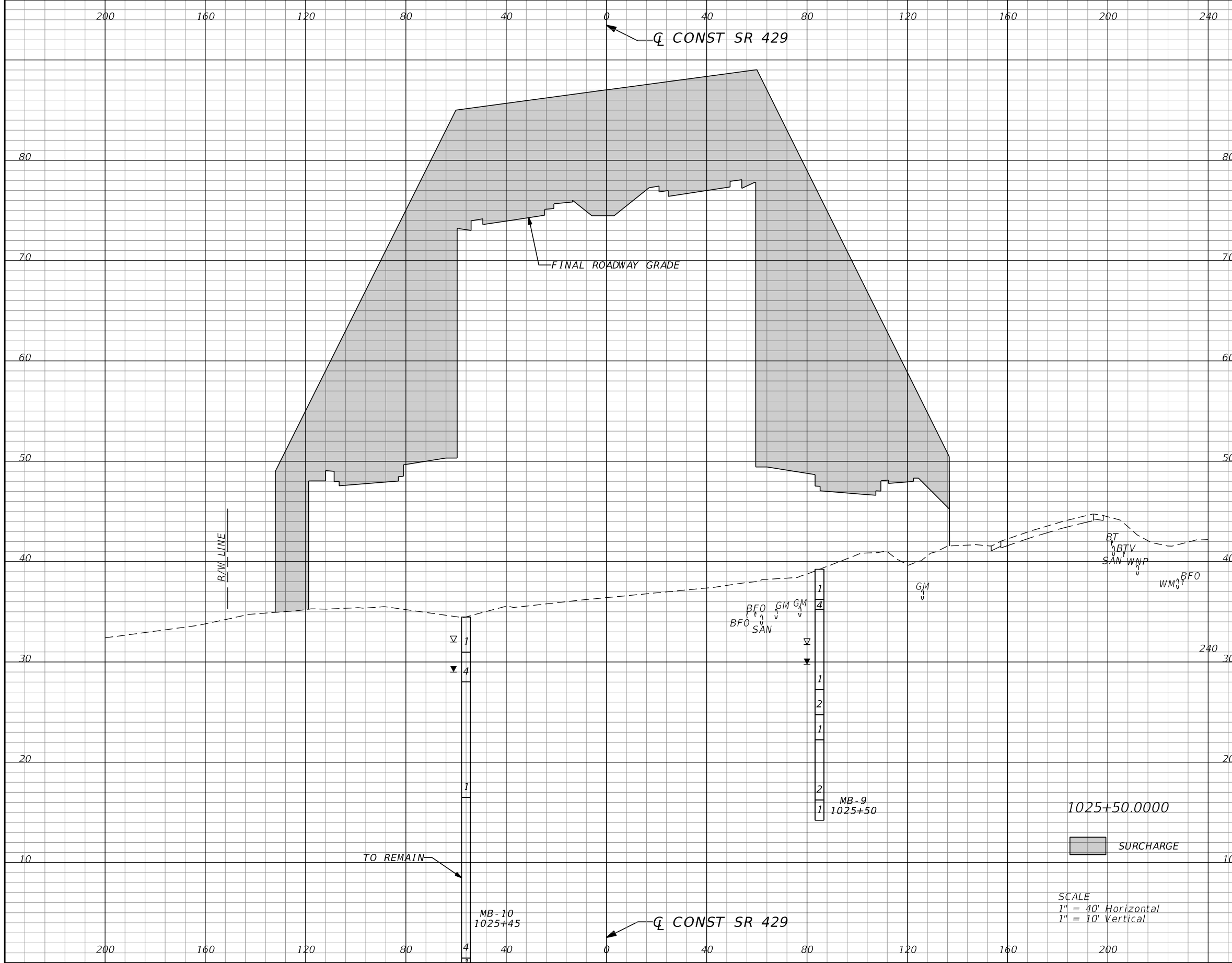
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,161

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4581.9	8431				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

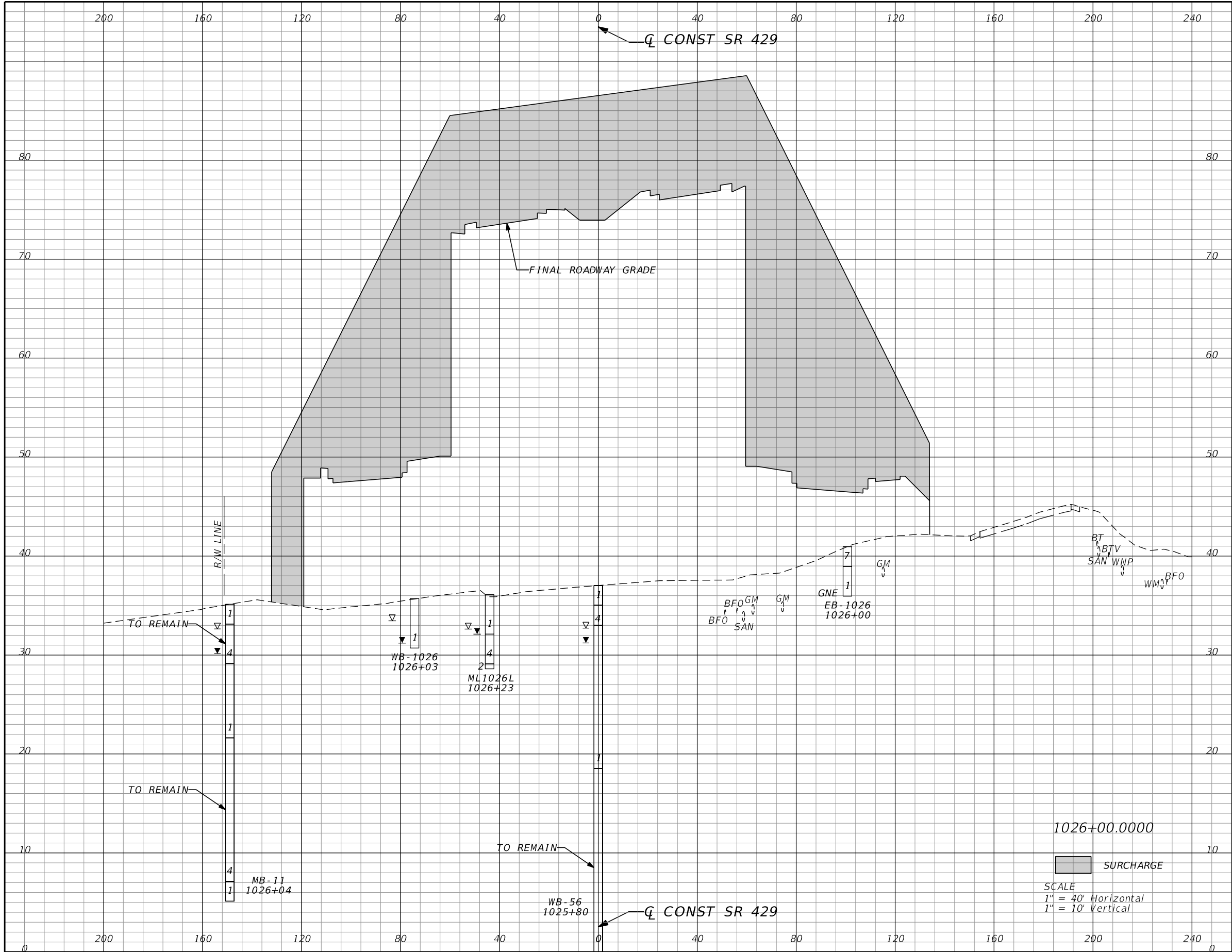
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,162

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4536.8	8448				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 949 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

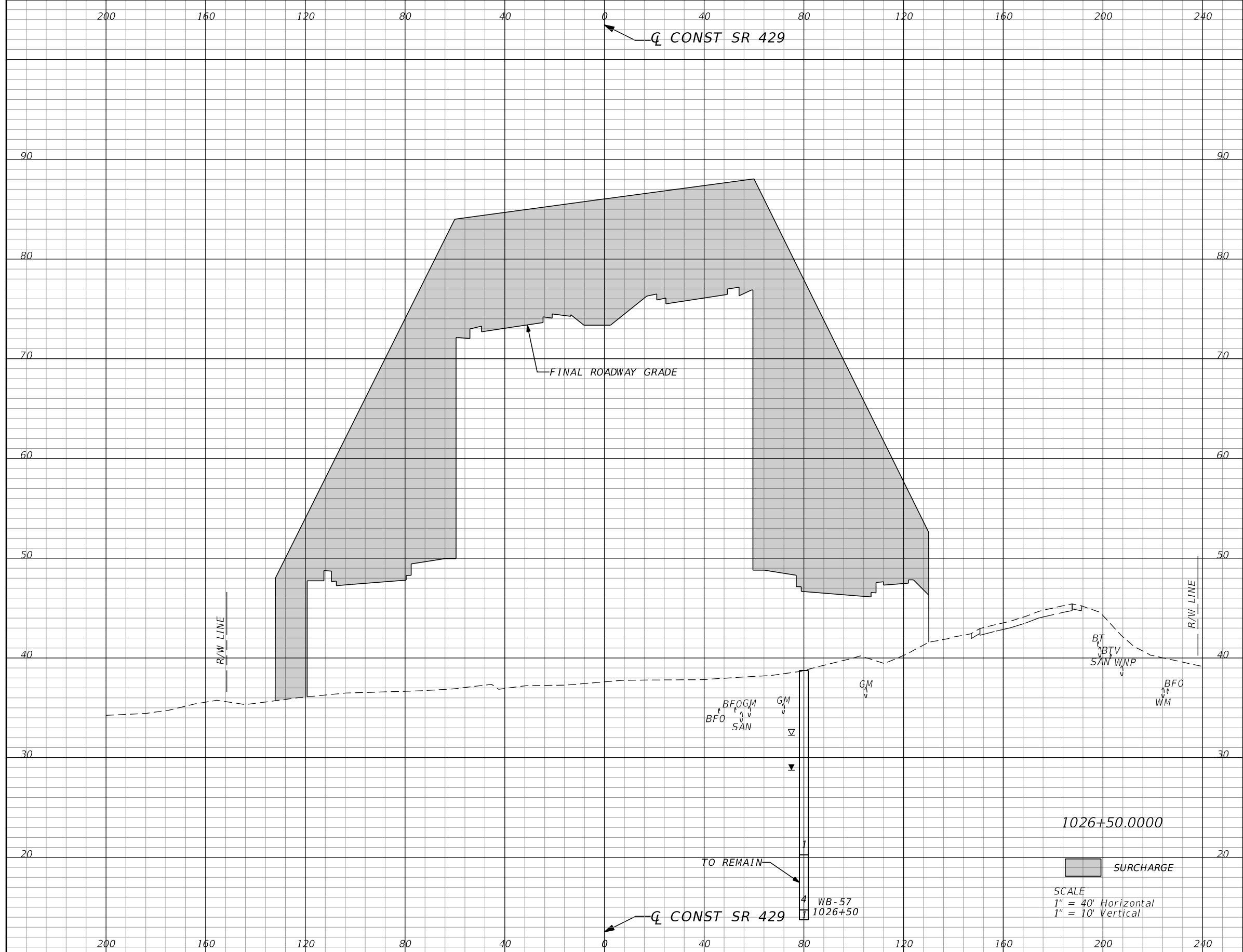
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,163

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4447.4	8323				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

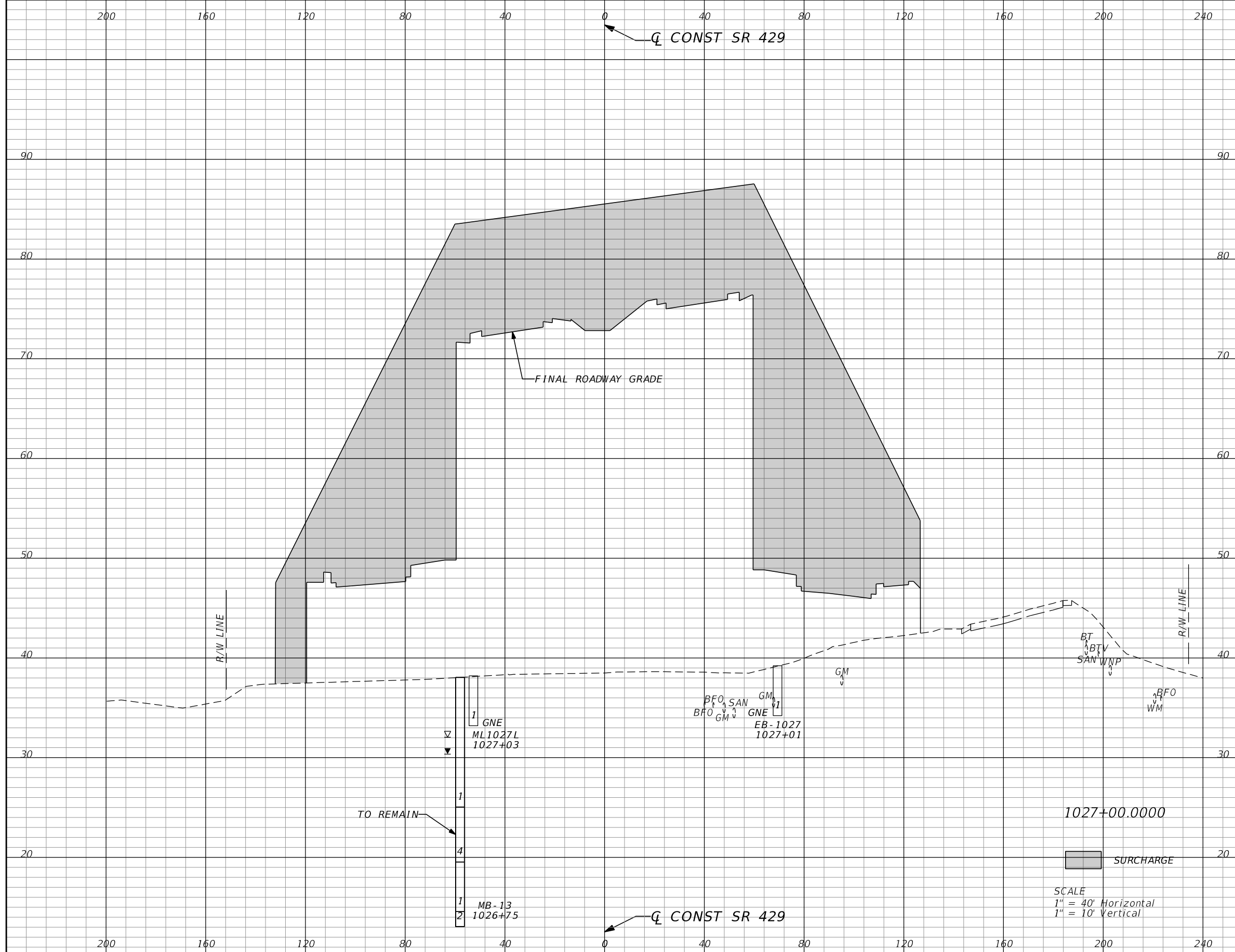
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,164

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4339.6	8140				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
1,165

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
4062.7	7786				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

**STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION**

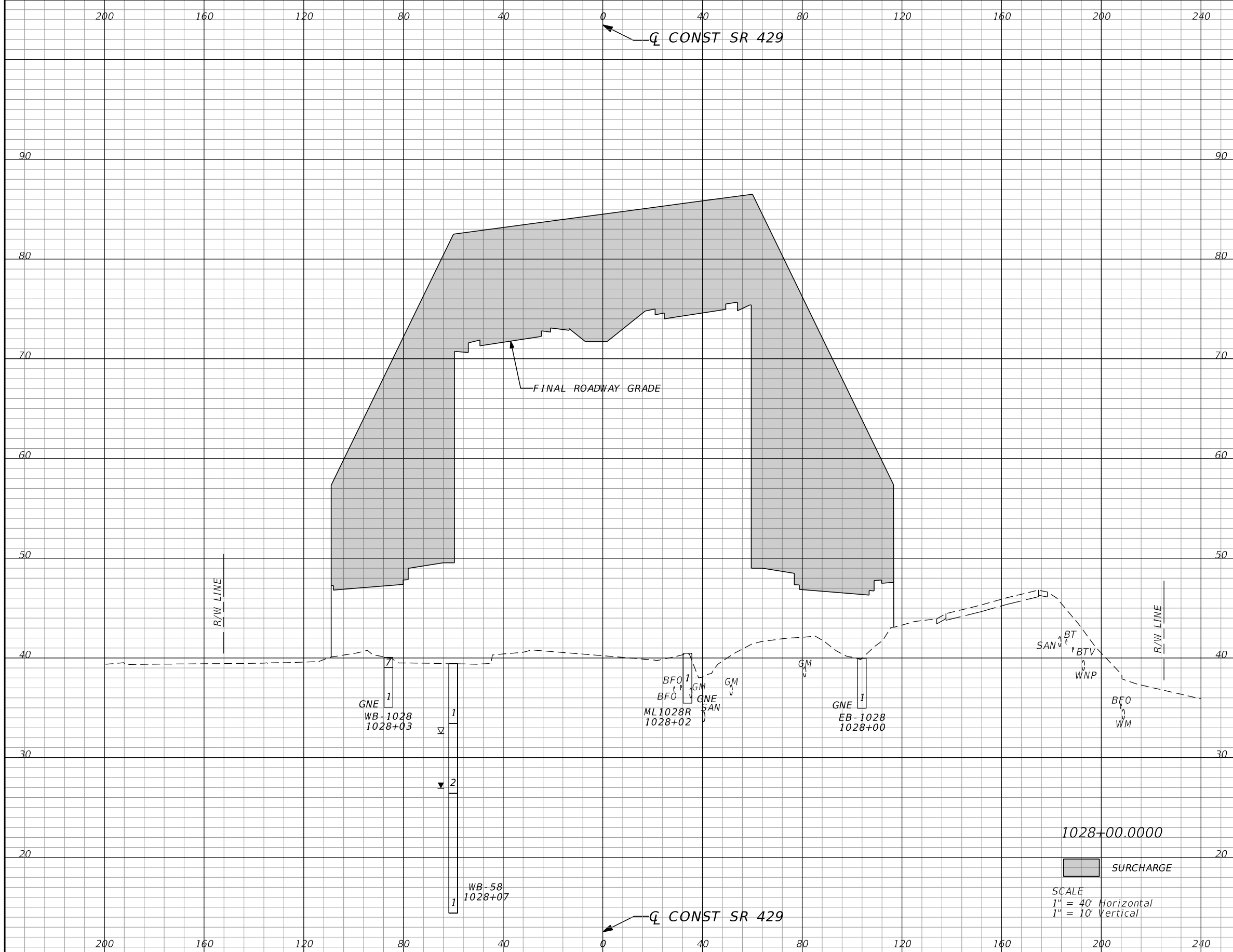
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429

SURCHARGE CROSS SECTIONS

SHEET NO.
1,166

PRELIMINARY: NOT FOR CONSTRUCTION



Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
3854.5					
	7340				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
 DANIEL C. STANFILL PE NO.42763

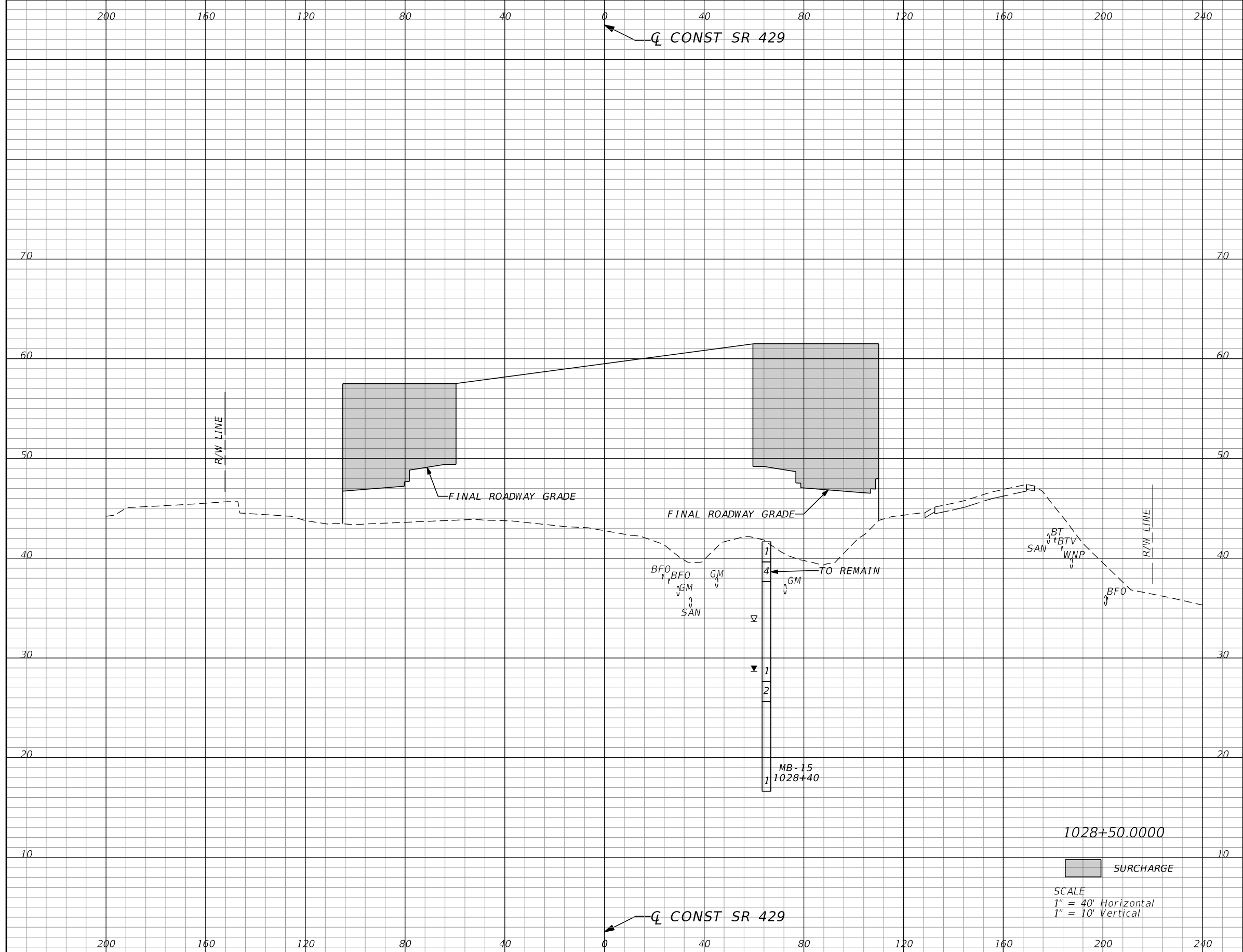
STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429
SURCHARGE CROSS SECTIONS

SHEET NO.
 1,167

PRELIMINARY: NOT FOR CONSTRUCTION



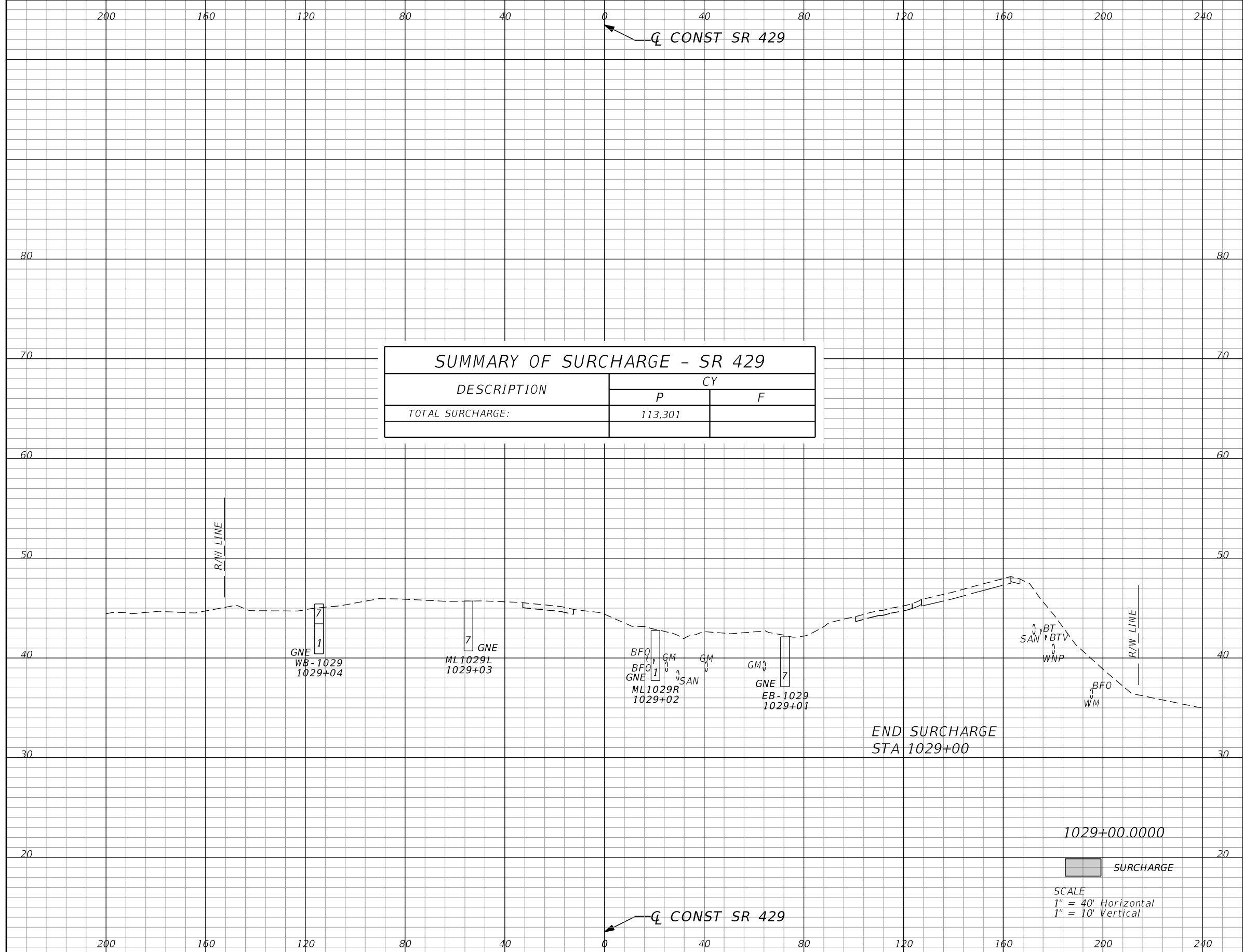
Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
1136.4	4633				

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01


SR 429 <i>SURCHARGE CROSS SECTIONS</i>	SHEET NO. 1,168
---	---------------------------



SUMMARY OF SURCHARGE - SR 429		
DESCRIPTION	CY	
	P	F
TOTAL SURCHARGE:	113,301	

Surcharge		Regular Exc.		Embankment	
A	V	A	V	A	V
0.0	1054				

1029+00.0000

 SURCHARGE

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
 919 Lake Baldwin Lane
 Orlando, FL 32814
 T 407-898-1818 F 407-898-1837
 Certificate of Authorization No. 5882
DANIEL C. STANFILL PE NO.42763

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

SR 429	SURCHARGE CROSS SECTIONS	SHEET NO.
		1,169

PRELIMINARY: NOT FOR CONSTRUCTION

TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS (2015), INDEX 600 SERIES, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2015), THE FHWA "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (2009), AND AS SHOWN IN THE PLANS.

2. TRAVEL LANE WIDTHS SHALL NOT BE LESS THAN 11 FEET ON SR 46 AND FRONTAGE ROADS IN EACH DIRECTION, AND NOT LESS THAN 10 FEET ON SIDE ROADS. LANES SHALL BE PROPERLY DELINEATED DURING ALL PHASES OF CONSTRUCTION.

3. TEMPORARY LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING PEAK HOURS:

SR 46, FRONTAGE ROADS:	6:30 AM TO 10:00 AM (SIGNALIZED) 3:30 PM TO 7:00 PM (SIGNALIZED) 5:00 PM TO 7:00 PM (OPEN ROAD)
SR 431 (ORANGE BLVD):	7:00 AM TO 9:30 AM (SIGNALIZED) NO RESTRICTIONS (OPEN ROAD)
CR 46A (LONGWOOD MARKHAM RD):	9:00 AM TO 4:00 PM (SIGNALIZED) 9:00 AM TO 4:00 PM (OPEN ROAD)

THE CONTRACTOR SHALL COMPLETE AND SUBMIT THE ANTICIPATED LANE CLOSURE FORM TO THE ENGINEER 14 DAYS PRIOR TO PROPOSED LANE CLOSURES. ALLOWABLE LANE CLOSURE TIMES SHALL INCLUDE THE TIME FOR LANE CLOSURE SET UPS AND REMOVAL TIME.

4. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT ONE WEEK PRIOR TO IMPLEMENTATION OF ANY LANE CLOSURES. THE PCMS SHALL BE PLACED IN A LOCATION APPROVED BY THE ENGINEER.

THE DISPLAYS ARE AS FOLLOWS:

SR 46:
DISPLAY 1 - EXPECT LANE CLOSURES
DISPLAY 2 - MM/DD TO MM/DD

5. THE CONTRACTOR SHALL UTILIZE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) DURING LANE CLOSURES. THE PCMS SHALL BE PLACED APPROXIMATELY 1/2 MILE IN ADVANCE OF THE FIRST OF THE FIRST WORK ZONE SIGNS IN EACH DIRECTION ON SR 46 LOCATION APPROVED BY THE ENGINEER

SR 46:
DISPLAY 1 - ONE LANE ROAD
DISPLAY 2 - PREPARE TO STOP

6. HEAVY TRAFFIC CONDITIONS, ACCIDENTS, AND ANY OTHER UNFORESEEN EMERGENCY MAY REQUIRE REMOVAL OR RESTRICTION OF ANY LANE CLOSURE. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS WITHOUT DELAY AT THE DIRECTION OF THE ENGINEER.

7. A UNIFORMED OFF-DUTY LAW ENFORCEMENT OFFICER WITH MARKED VEHICLE SHALL BE PROVIDED DURING THE SETUP AND REMOVAL OF ALL LANE CLOSURE OPERATIONS. ALL COSTS SHALL BE INCLUDED UNDER THE MAINTENANCE OF TRAFFIC PAY ITEM 102-14.

8. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL CONSTRUCTION PHASING WITH ANY ADJACENT CONSTRUCTION CONTRACTS INCLUDING FPID 238275-7-52-01 (WEKIVA PARKWAY SECTION 6).

9. SEMINOLE COUNTY APPROVED MOT PLANS ARE REQUIRED FOR ANY CONSTRUCTION OR WORK WITHIN SEMINOLE COUNTY RIGHT OF WAY, EASEMENTS OR PROPERTY, INCLUDING THE INSTALLATION OR MAINTENANCE OF ANY PUBLIC OR PRIVATE UTILITY, STRUCTURE, DRIVEWAY, CULVERT, PAVEMENT, ETC.

10. THE CONTRACTOR SHALL INSTALL TRAFFIC CONTROL SIGNING PRIOR TO COMMENCEMENT OF THE APPLICABLE PHASE OF CONSTRUCTION OPERATION.

11. EXISTING REGULATORY SIGNS AND PAVEMENT MARKINGS ARE TO BE MAINTAINED AT ALL TIMES WHERE APPLICABLE. CONFLICTING EXISTING REGULATORY SIGNS ARE TO BE REMOVED OR COVERED. COST FOR SIGN REMOVAL OR COVERING IS TO BE INCLUDED IN THE LUMP SUM MAINTENANCE OF TRAFFIC PAY ITEM.

12. THE CONTRACTOR SHALL RESTRICT THE HOURS OF CONSTRUCTION ACTIVITIES CREATING LOUD NOISES (I.E. PILE DRIVING, ETC) TO BETWEEN 6:00 AM TO 9:00 PM OR AS DIRECTED BY THE ENGINEER.

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,170
					429	SEMINOLE	240200-2-52-01		

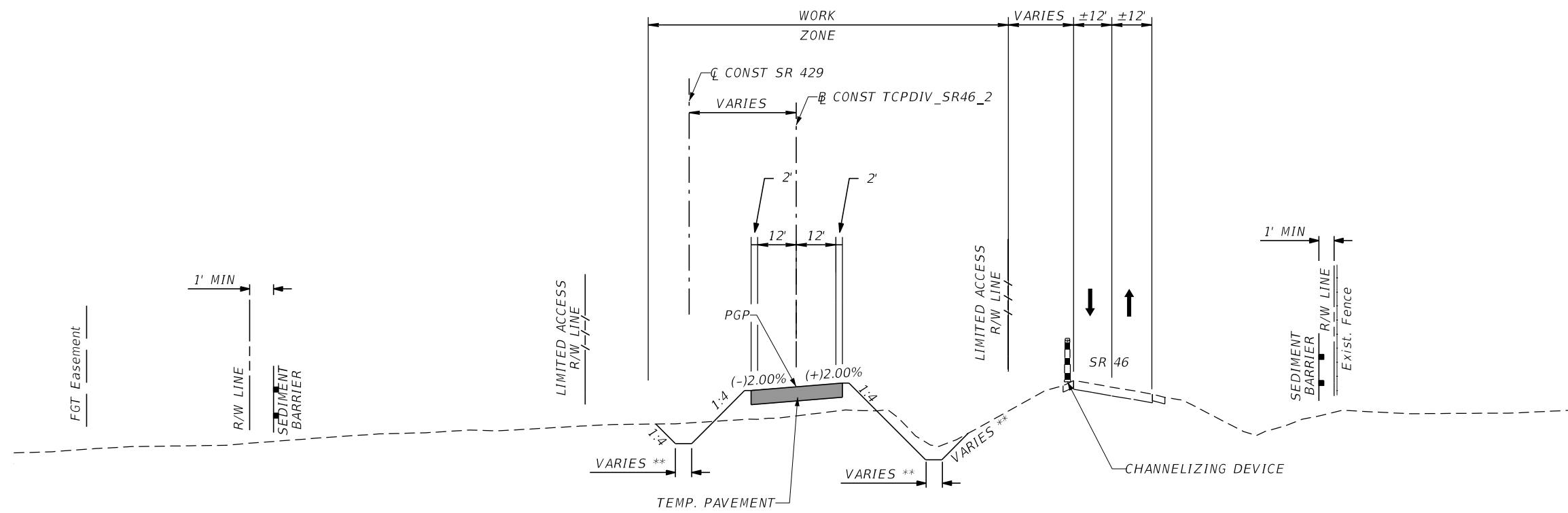
PHASE 1A - STAGE 1

ORANGE AVENUE EXTENSION TO BE COMPLETED CONCURRENTLY WITHIN PHASE 1A AND 1B. SEE ORANGE AVENUE EXTENSION PHASING NOTES AND TYPICALS FOR MORE INFORMATION.

LOCATION OF TRAFFIC	DESCRIPTION	TYP SECTION NO.	CONSTRUCTION LIMITS								
			WB FRONTAGE ROAD		WB MAINLINE		EB MAINLINE		EB FRONTAGE		
			BEGIN	END	BEGIN	END	BEGIN	END	BEGIN	END	
TRAFFIC ON EXIST. SR 46	CONSTRUCT SR 46 DIVERSION FROM SR 429 STA. 971+44 TO 1037+27. BUILD TEMPORARY DRAINAGE AS SHOWN ON THE PLANS. CONSTRUCT PORTION OF ROUNDABOUT 3 AS SHOWN ON PLANS.	1 & 2									

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP PHASING NOTES PHASE 1A - STAGE 1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		1,171

PRELIMINARY: NOT FOR CONSTRUCTION

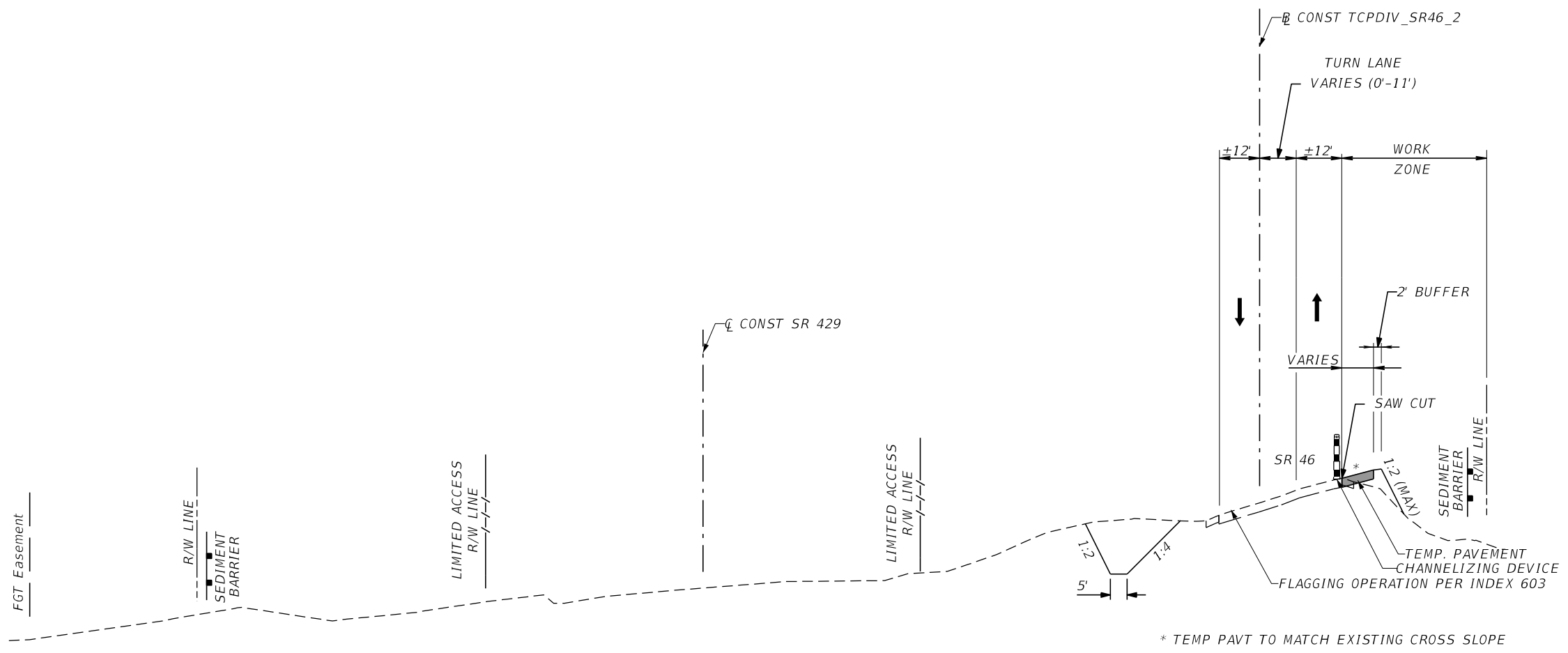


PHASE 1A (STAGE 1): TYPICAL SECTION 1
 DIVERSION ON NORTH SIDE OF EXIST SR 46 CONSTRUCTION
 STA. 60+00 TO 106+30 (CL CONST TCPDIV_SR46_2) =
 STA. 971+44 TO 1017+58 (CL CONST SR 429)
 (NTS)

PHASE 1A - STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP TYPICAL SECTIONS	SHEET NO. 1,172
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



PHASE 1A (STAGE 1): TYPICAL SECTION 2
 DIVERSION ON SOUTH SIDE OF EXIST SR 46
 STA. 107+02 TO 126+59 (B CONST TCPDIV_SR46_2) =
 STA. 1018+24 TO 1037+27 (Q CONST SR 429)
 (NTS)

PHASE 1A - STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP TYPICAL SECTIONS SHEET NO. 1,173
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					429	SEMINOLE	240200-2-52-01	

PRELIMINARY: NOT FOR CONSTRUCTION

(T-100)

STA 973+96.13, 43.99 RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 52.56
INDEX 273

(T-108)

STA 991+94.96, 42.19' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 50.58
INDEX 273

(T-117)

STA 1013+91.36, 32.42' RT
C̄ CONST SR 429
CROSS DRAIN MES (1:4)
FL 37.01
INDEX 272

(T-125)

STA 1033+04.41, 4.68' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 46.11
INDEX 273

(T-101)

STA 976+41.16, 43.30 RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 52.18
INDEX 273

(T-109)

STA 992+48.66, 41.92 RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 50.47
INDEX 273

(T-118)

STA 1015+56.57, 126.49' RT
C̄ CONST SR 429
DBI TYPE E
TOP EL 41.87
FL 38.75
INDEX 200, 201, AND 231

(T-126)

STA 1013+78.78, 105.59' RT
C̄ CONST SR 429
CONCRETE JACKET
FL 37.12 (MATCH EXIST)
INDEX 280

(T-102)

STA 982+00.00, 42.23' LT
C̄ CONST SR 429
CROSS DRAIN MES (1:4)
FL 51.62
INDEX 272

(T-110)

STA 1003+27.67, 38.40 RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 48.49
INDEX 273

(T-119)

STA 1015+71.35, 52.00' RT
C̄ CONST SR 429
CROSS DRAIN MES (1:4)
FL 36.39
INDEX 272

(T-103)

STA 982+00.00, 39.39' RT
C̄ CONST SR 429
CROSS DRAIN MES (1:4)
FL 51.47
INDEX 272

(T-111)

STA 1005+25.39, 34.96 RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 47.50
INDEX 273

(T-120)

STA 1019+94.48, 123.78' RT
C̄ CONST SR 429
STRAIGHT CONCRETE ENDWALL
FL 32.90
INDEX 251

(T-104)

STA 982+58.46, 44.30' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 51.26
INDEX 273

(T-112)

STA 1011+83.93, 5.73' LT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 40.80
INDEX 273

(T-121)

STA 1020+04.42, 240.30' RT
C̄ CONST SR 429
STRAIGHT CONCRETE ENDWALL
FL 33.59
INDEX 251

(T-105)

STA 983+73.32, 41.93' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 51.06
INDEX 273

(T-113)

STA 1012+65.05, 5.69' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 38.08
INDEX 273

(T-122)

STA 1029+31.93, 90.60' RT
C̄ CONST SR 429
STRAIGHT CONCRETE ENDWALL
FL 36.20
INDEX 250

(T-106)

STA 988+39.90, 44.20' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 50.83
INDEX 273

(T-114)

STA 1012+69.82, 85.06' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 39.62
INDEX 273

(T-123)

STA 1029+24.76, 207.51' RT
C̄ CONST SR 429
STRAIGHT CONCRETE ENDWALL
FL 36.30
INDEX 250

(T-107)

STA 988+93.62, 45.05' RT
C̄ CONST SR 429
SIDE DRAIN MES (1:4)
FL 50.72
INDEX 273

(T-116)

STA 1013+79.36, 100.12' RT
C̄ CONST SR 429
DBI TYPE E
TOP EL 40.58
FL 37.10 BK, RT, LT
INDEX 200, 201, AND 232

(T-124)

STA 1033+45.37, 1.44' RT
C̄ CONST SR 429
CONCRETE JACKET
FL 46.17 (MATCH EXIST)
INDEX 280

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DUSTIN E. PERKINS
P.E. LICENSE NO. 69225
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP- PHASE 1A S1
TEMP DRAINAGE STRUCTURES

SHEET NO.
1,174

PRELIMINARY: NOT FOR CONSTRUCTION

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	PIPE (LF)					MES (1:4)			JACK AND BORE STEEL CASING (LF)		DBI	RUBBLE RIP-RAP	CONCRETE DITCH PAVEMENT	CLASS I CONCRETE	CLASS II CONCRETE	REINFORCING STEEL	REMARKS
						18"	24"	30"	42"	48"	18"	24"	30"	42"	60"							
P	T-100	973+96.13	RT.	MES, Pipe	1	238					1											
F																						
P	T-101	976+41.16	RT.	MES	1						1											
F																						
P	T-102	982+00.00	LT.	MES, Pipe	1	74					1											
F																						
P	T-103	982+00.00	RT.	MES	1						1											
F																						
P	T-104	982+58.46	RT.	MES, Pipe	1		107					1										
F																						
P	T-105	983+73.32	RT.	MES	1							1										
F																						
P	T-106	988+39.90	RT.	MES, Pipe	1		50					1										
F																						
P	T-107	988+93.62	RT.	MES	1							1										
F																						
P	T-108	991+94.96	RT.	MES, Pipe	1		46					1										
F																						
P	T-109	992+48.66	RT.	MES	1							1										
F																						
P	T-110	1003+27.67	RT.	MES, Pipe	1	189					1											
F																						
P	T-111	1005+30.45	RT.	MES	1							1										
F																						
P	T-112	1011+83.93	LT.	MES, Pipe	1	74					1											
F																						
P	T-113	1012+65.05	RT.	MES	1							1										
F																						
P	T-114	1012+69.82	RT.	MES, Pipe	1	103					1											
F																						
P	T-116	1013+79.36	RT.	DBI, Pipe	1		64							1								
F																						
P	T-117	1013+91.36	RT.	MES	1								1									
F																						
P	T-118	1015+56.57	RT.	DBI, Pipe	1	63								1								
F																						
P	T-119	1015+71.35	RT.	MES	1							1										
F																						
Sheet Summary					P Total	741	203	64	0	0	10	6	1	0	0	2	0	0	0	0	0	
					F Total																	

REVISIONS				DUSTIN E. PERKINS P.E. LICENSE NO. 69225 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP- PHASE 1A STAGE 1 TEMP DRAINAGE QUANTITIES	SHEET NO. 1,175
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

B TCPDIV SR46 2

CURVE DATA TCPDIV SR46_21
 PI STA. = 61+09.86
 Δ = 11° 37' 01" (LT)
 D = 5° 18' 19"
 T = 109.86
 L = 218.98
 R = 1,080.00
 PC STA. = 60+00.00
 PT STA. = 62+18.98

CURVE DATA TCPDIV SR46_22
 PI STA. = 65+91.41
 Δ = 11° 39' 17" (RT)
 D = 5° 18' 19"
 T = 110.22
 L = 219.68
 R = 1,080.00
 PC STA. = 64+81.19
 PT STA. = 67+00.87

CURVE DATA TCPDIV SR46_23
 PI STA. = 90+61.68
 Δ = 8° 58' 03" (RT)
 D = 2° 17' 31"
 T = 196.04
 L = 391.28
 R = 2,500.00
 PC STA. = 88+65.64
 PT STA. = 92+56.92

CURVE DATA TCPDIV SR46_24
 PI STA. = 97+48.85
 Δ = 9° 47' 31" (RT)
 D = 2° 17' 31"
 T = 214.15
 L = 427.26
 R = 2,500.00
 PC STA. = 95+34.70
 PCC STA. = 99+61.95

CURVE DATA TCPDIV SR46_25
 PI STA. = 102+42.85
 Δ = 17° 44' 22" (RT)
 D = 3° 10' 59"
 T = 280.90
 L = 557.30
 R = 1,800.00
 PCC STA. = 99+61.95
 PRC STA. = 105+19.25

CURVE DATA TCPDIV SR46_26
 PI STA. = 108+29.69
 Δ = 23° 14' 07" (LT)
 D = 3° 47' 40"
 T = 310.44
 L = 612.35
 R = 1,510.00
 PRC STA. = 105+19.25
 PT STA. = 111+31.60

CURVE DATA TCPDIV SR46_27
 PI STA. = 116+19.81
 Δ = 14° 07' 30" (LT)
 D = 1° 44' 10"
 T = 408.84
 L = 813.54
 R = 3,300.00
 PC STA. = 112+10.97
 PT STA. = 120+24.50

REVISIONS

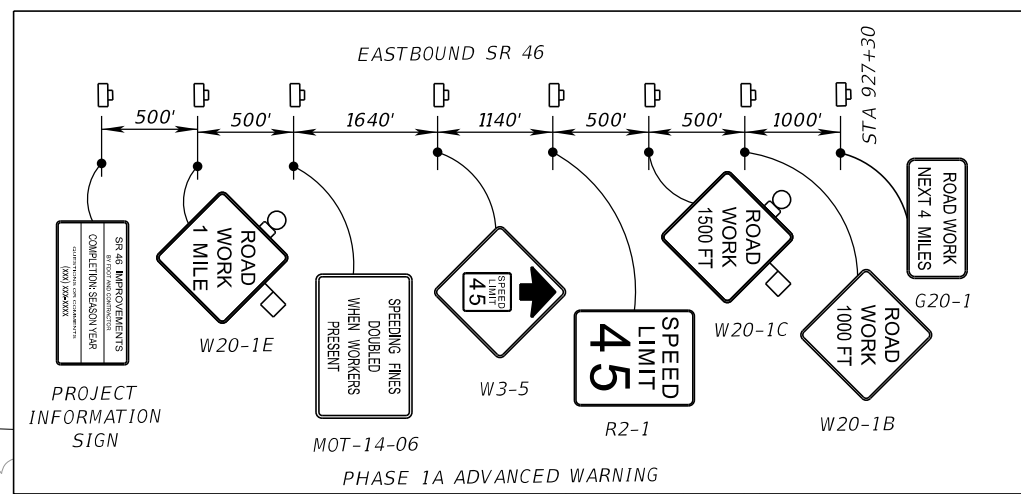
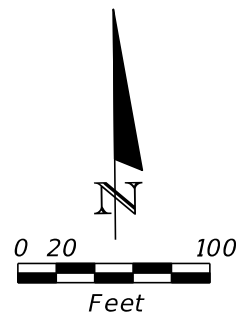
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

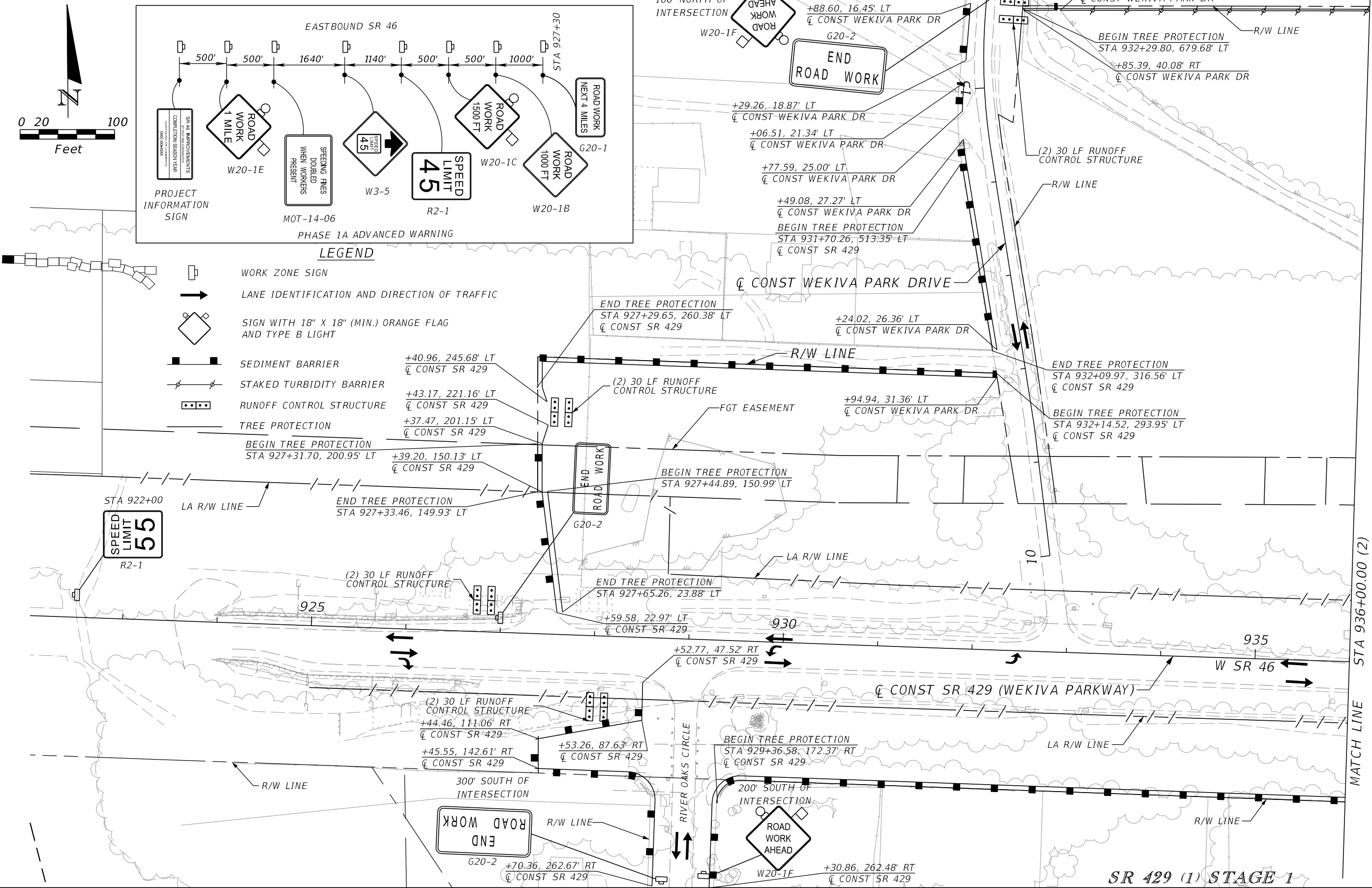
CURVE DATA SHEET
PHASE 1A - STAGE 1

SHEET NO.
 1,176



LEGEND

- WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- SEDIMENT BARRIER
- STAKED TURBIDITY BARRIER
- RUNOFF CONTROL STRUCTURE
- TREE PROTECTION



SR 429 (1) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002





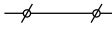
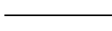
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

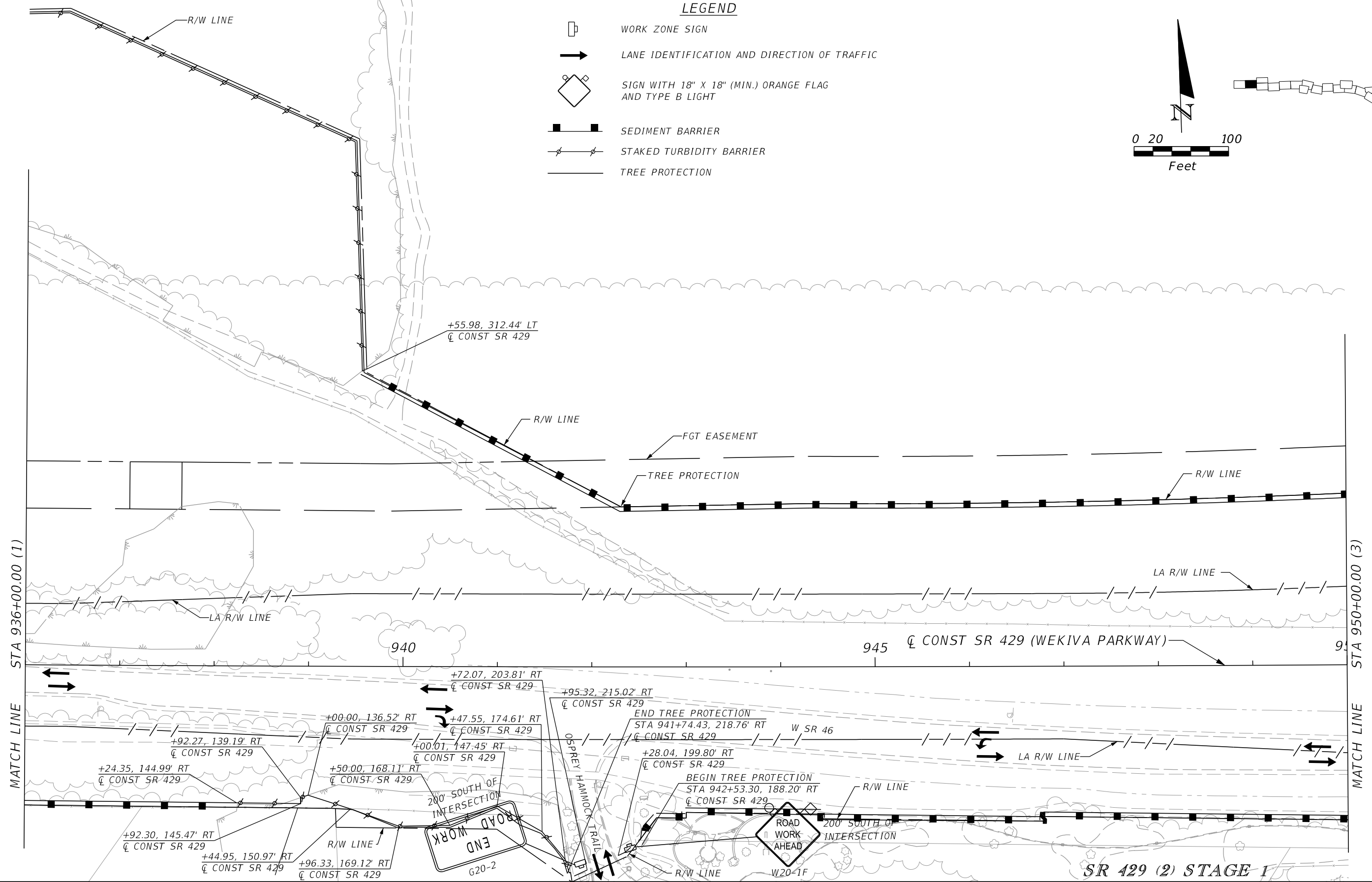
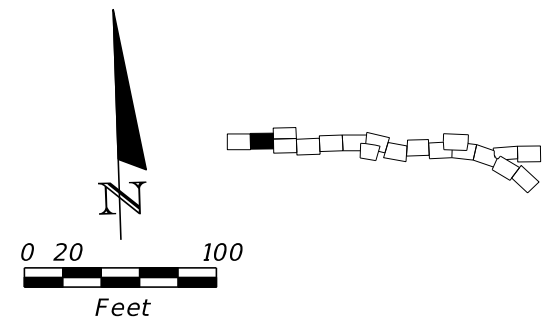
TTCP - PHASE 1A
STA 922+00 TO 936+00

SHEET NO.
1,177

PRELIMINARY: NOT FOR CONSTRUCTION

LEGEND

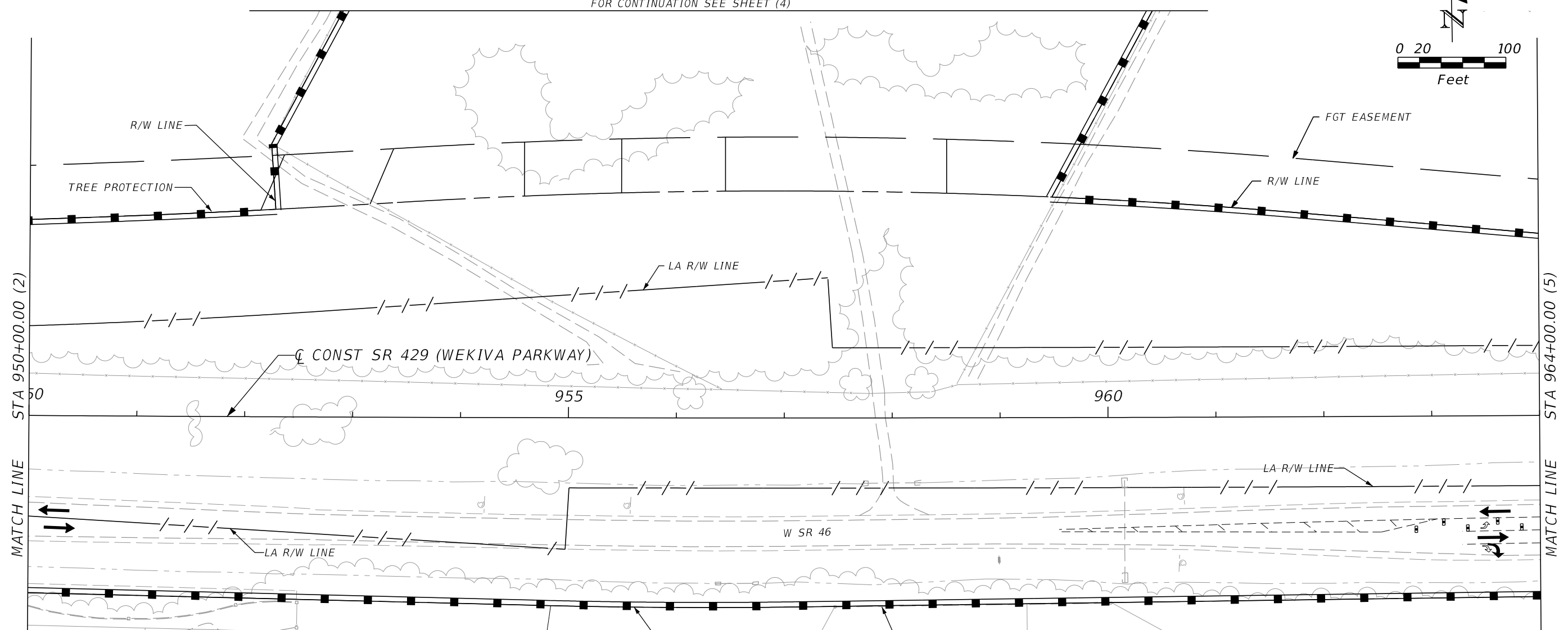
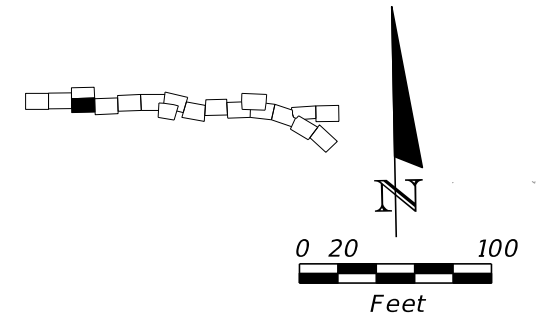
-  WORK ZONE SIGN
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
-  SEDIMENT BARRIER
-  STAKED TURBIDITY BARRIER
-  TREE PROTECTION



REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 936+00 TO STA 950+00	SHEET NO. 1,178
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

FOR CONTINUATION SEE SHEET (4)



- LEGEND**
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
 - SEDIMENT BARRIER
 - TREE PROTECTION

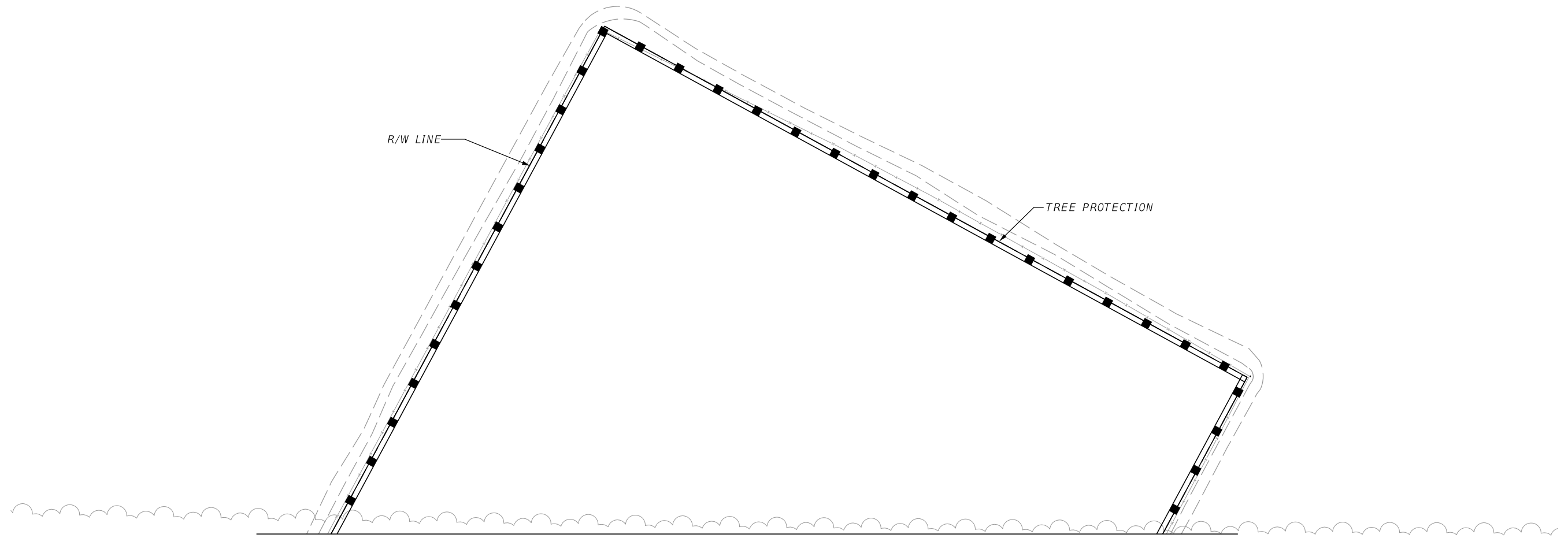
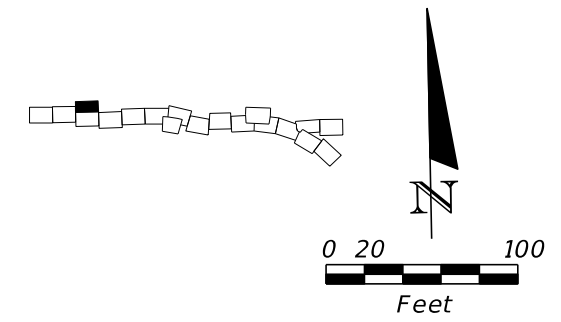
SR 429 (3) STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 950+00 TO STA 964+00	SHEET NO. 1,179
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

LEGEND

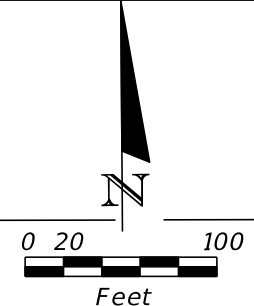
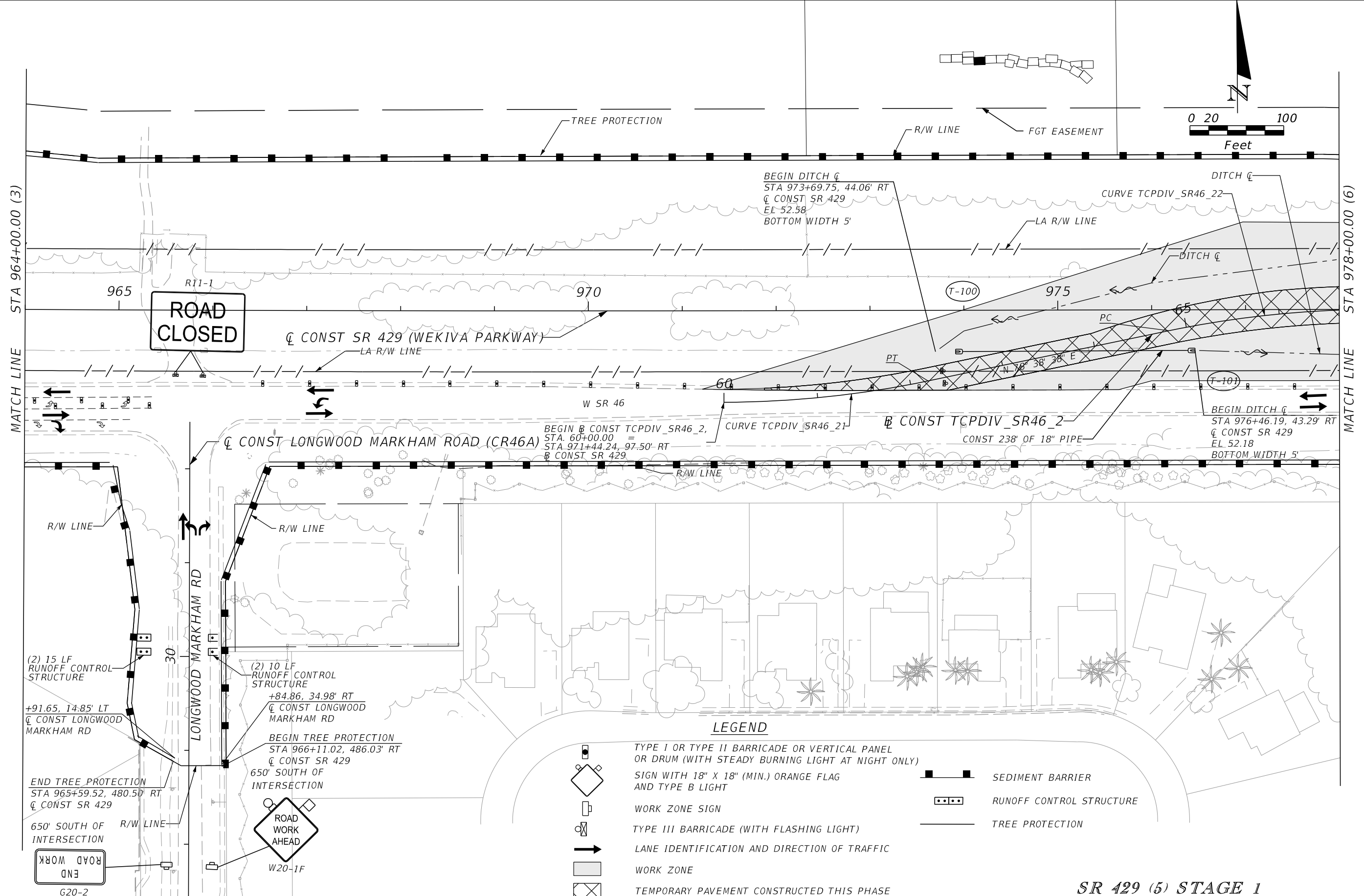
- — ■ SEDIMENT BARRIER
- TREE PROTECTION



FOR CONTINUATION SEE SHEET (3)

POND WR2 (4) STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A POND WR2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,180
					429	SEMINOLE	240200-2-52-01		



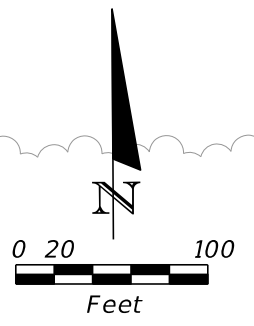
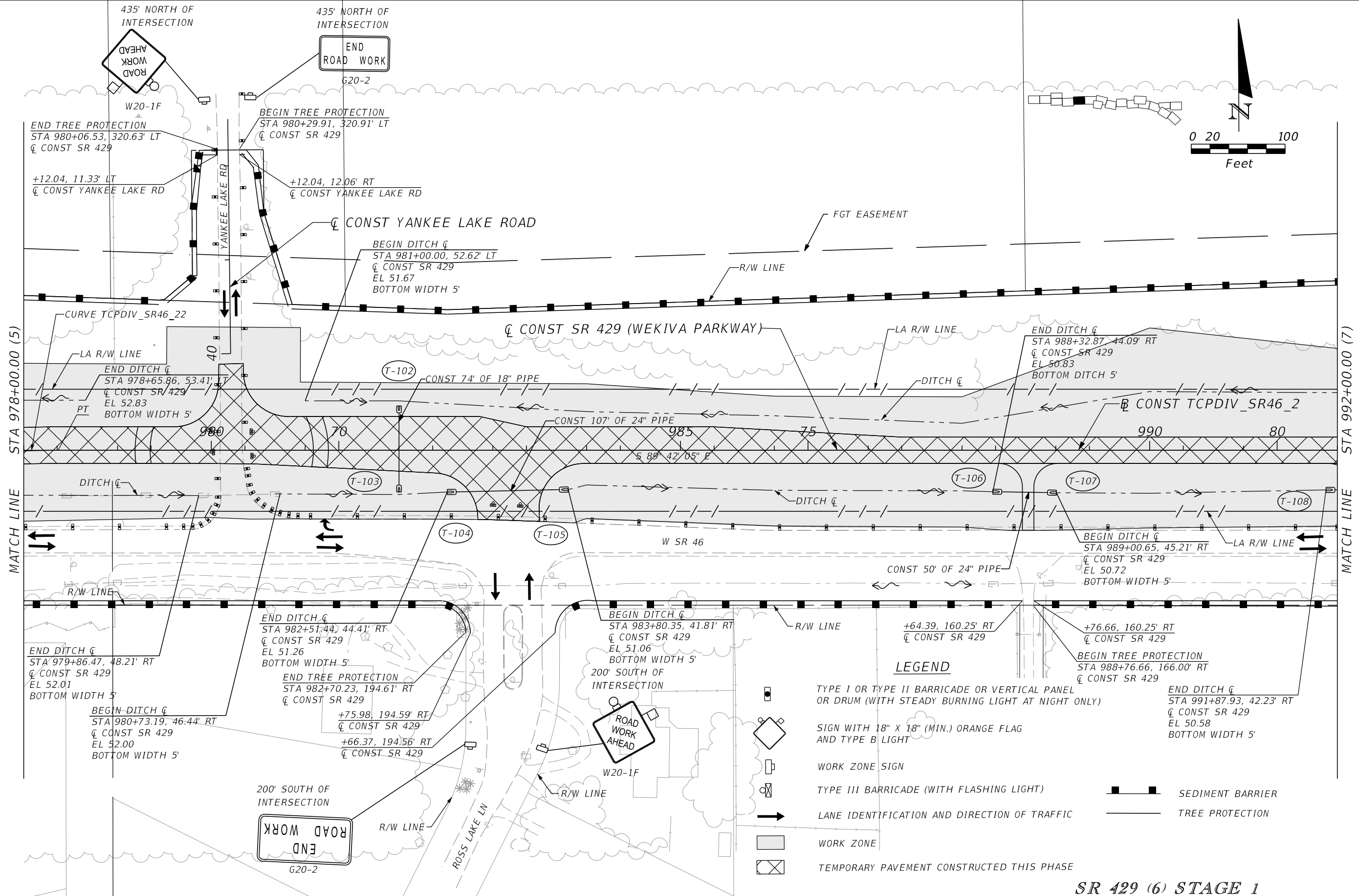
LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- WORK ZONE SIGN
- TYPE III BARRICADE (WITH FLASHING LIGHT)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- SEDIMENT BARRIER
- RUNOFF CONTROL STRUCTURE
- TREE PROTECTION

SR 429 (5) STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 964+00 TO STA 978+00	SHEET NO. 1,181
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

	TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)		END DITCH \bar{C} STA 991+87.93, 42.23' RT \bar{C} CONST SR 429 EL 50.58 BOTTOM WIDTH 5'
	SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT		WORK ZONE SIGN
	TYPE III BARRICADE (WITH FLASHING LIGHT)		LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	WORK ZONE		SEDIMENT BARRIER
	TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE		TREE PROTECTION

SR 429 (6) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

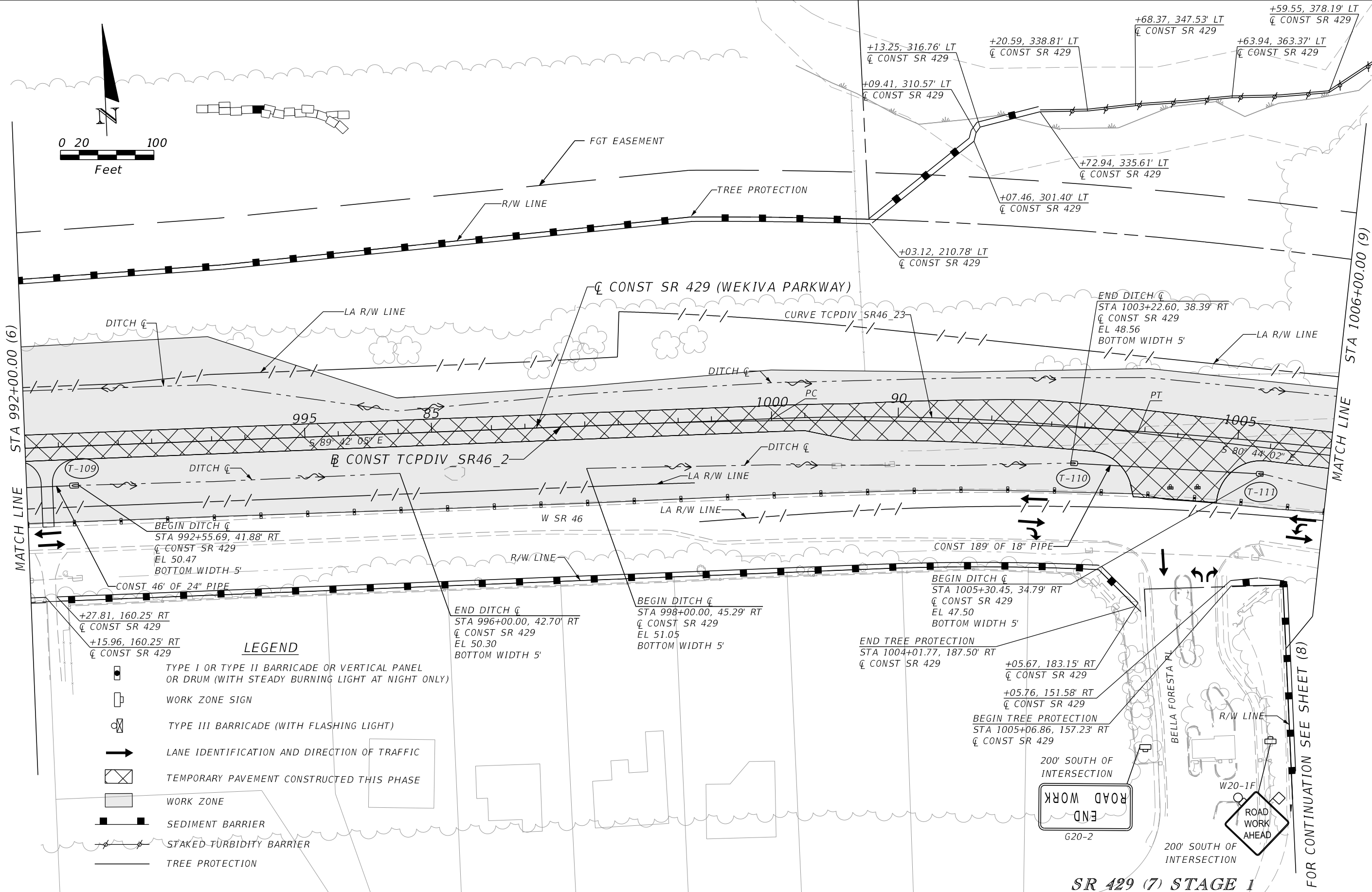
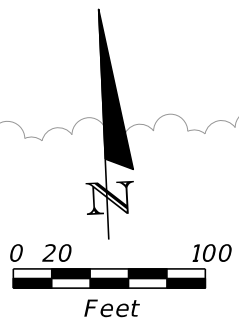
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 978+00 TO STA 992+00

SHEET NO.
1,182

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

	TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
	WORK ZONE SIGN
	TYPE III BARRICADE (WITH FLASHING LIGHT)
	LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
	TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
	WORK ZONE
	SEDIMENT BARRIER
	STAKED TURBIDITY BARRIER
	TREE PROTECTION

SR 429 (7) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

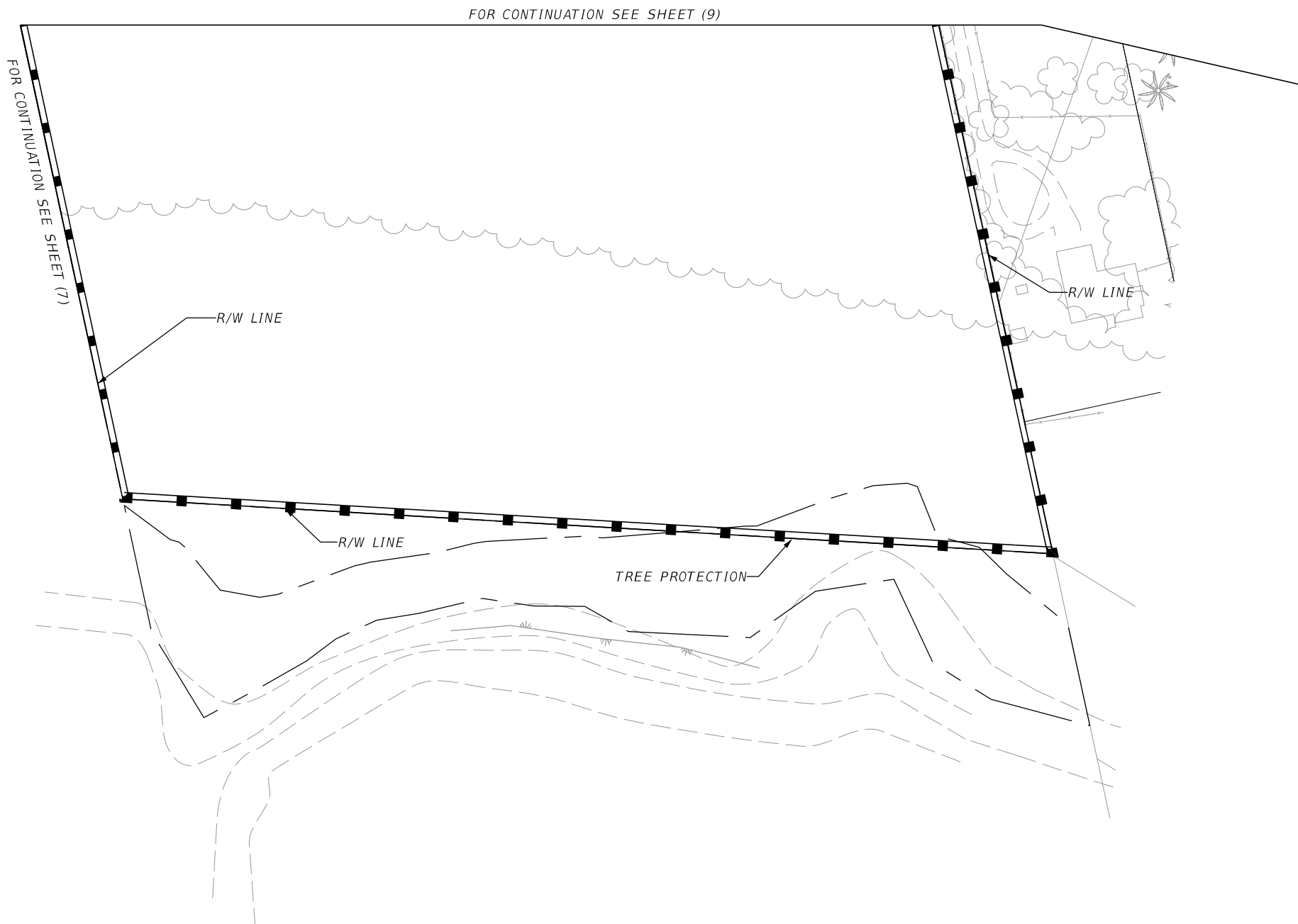
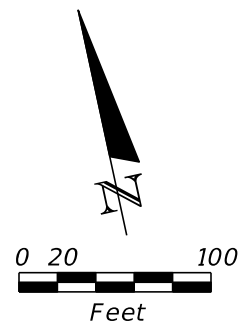
TTCP - PHASE 1A
 STA 992+00 TO STA 1006+00

SHEET NO.
 1,183

PRELIMINARY: NOT FOR CONSTRUCTION

LEGEND

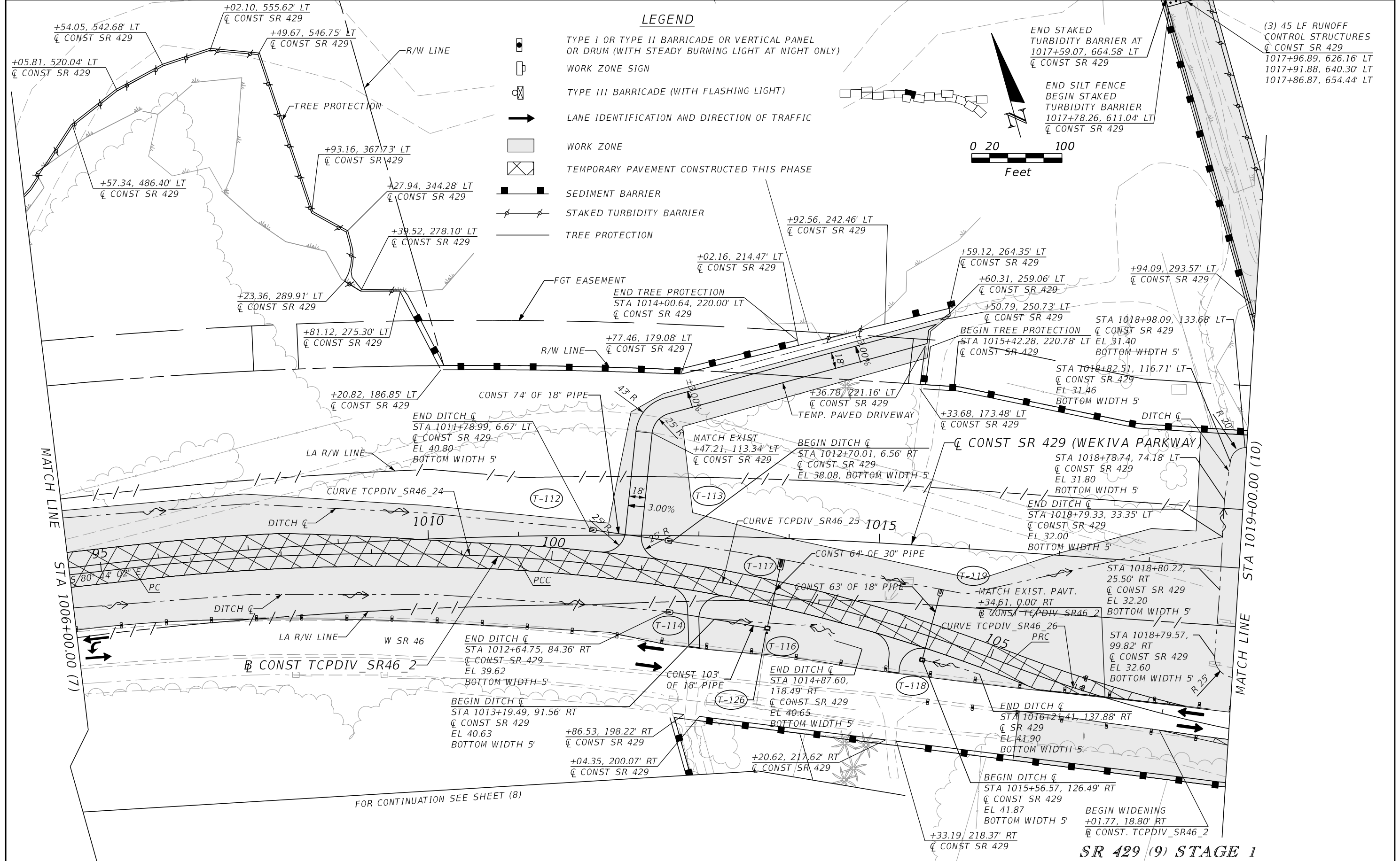
-  SEDIMENT BARRIER
-  TREE PROTECTION



POND YL1 (8) STAGE 1

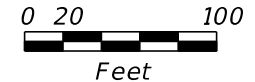
REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A POND YL1	SHEET NO. 1,184
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- WORK ZONE SIGN
- TYPE III BARRICADE (WITH FLASHING LIGHT)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- SEDIMENT BARRIER
- STAKED TURBIDITY BARRIER
- TREE PROTECTION



END STAKED TURBIDITY BARRIER AT 1017+59.07, 664.58' LT
 Q CONST SR 429

END SILT FENCE BEGIN STAKED TURBIDITY BARRIER 1017+78.26, 611.04' LT
 Q CONST SR 429

(3) 45 LF RUNOFF CONTROL STRUCTURES
 Q CONST SR 429
 1017+96.89, 626.16' LT
 1017+91.88, 640.30' LT
 1017+86.87, 654.44' LT

SR 429 (9) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

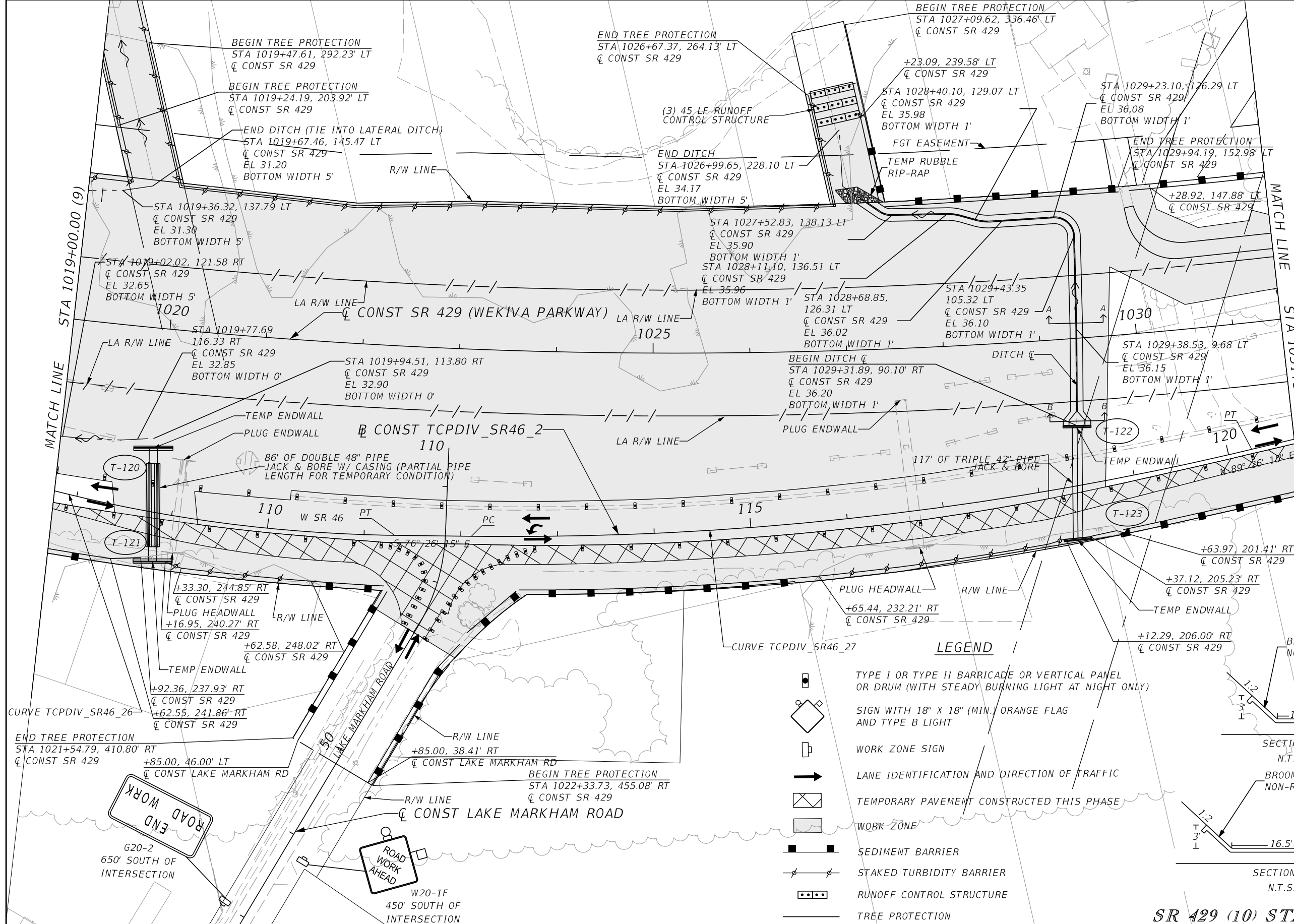
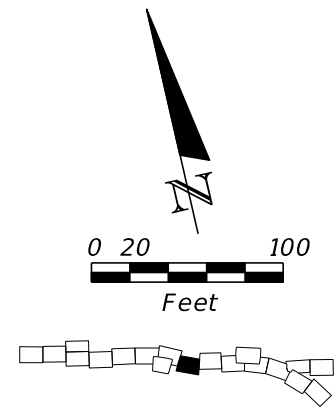
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 1006+00 TO STA 1019+00

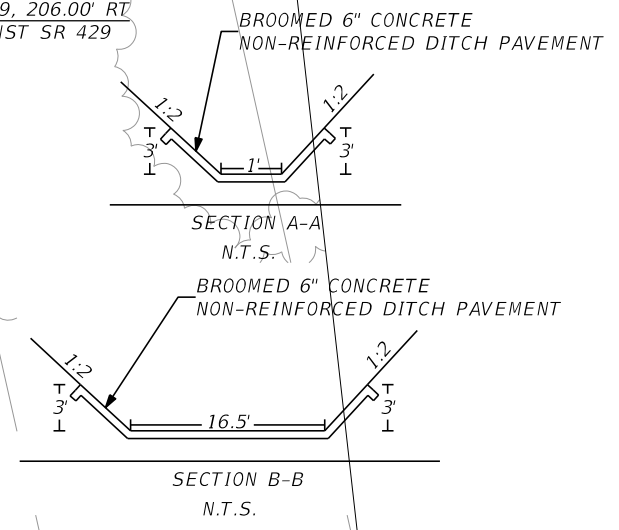
SHEET NO.
1,185

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
-
- WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- WORK ZONE
- SEDIMENT BARRIER
- STAKED TURBIDITY BARRIER
- RUNOFF CONTROL STRUCTURE
- TREE PROTECTION



SR 429 (10) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 1019+00 TO STA 1031+50

SHEET NO.
1,186

PRELIMINARY: NOT FOR CONSTRUCTION

BEGIN TREE PROTECTION
 STA 1032+36.52, 639.41' LT
 Q CONST SR 429

R/W LINE

+37.09, 633.68' LT
 Q CONST SR 429

+09.34, 599.23' LT
 Q CONST SR 429

END TREE PROTECTION
 STA 1042+02.91, 598.88' LT
 Q CONST SR 429

R/W LINE

BEGIN TREE PROTECTION
 STA 1032+15.84, 153.74' LT
 Q CONST SR 429

+15.84, 147.99' LT
 Q CONST SR 429

+01.85, 147.99' LT
 Q CONST SR 429

R/W LINE

END TREE PROTECTION
 STA 1039+27.01, 149.98' LT
 Q CONST SR 429

+67.28, 146.25' LT
 Q CONST SR 429

BEGIN TREE PROTECTION
 STA 1041+17.28, 152.00' LT
 Q CONST SR 429

+17.28, 146.25' LT
 Q CONST SR 429

+99.02, 148.12' LT
 Q CONST SR 429

MATCH LINE
 STA 1031+50.00 (10)

MATCH LINE
 STA 1045+00.00 (12)

Q CONST SR 429 (WEKIVA PARKWAY)

LA R/W LINE

(T-124)

1035

1040

END CONST TCPDIV_SR46_2,
 STA 126+59.00 =
 STA 1037+27.33, 83.39' RT
 Q CONST SR 429

Q CONST TCPDIV_SR46_2

CONST 38' OF 18" PIPE

+77.12, 165.61' RT
 Q CONST SR 429

+95.47, 164.05' RT
 Q CONST SR 429

W SR 46 +71.82, 149.39' RT
 Q CONST SR 429

+95.26, 149.96' RT
 Q CONST SR 429

END TREE PROTECTION
 STA 1040+57.00, 154.13' RT
 Q CONST SR 429

BEGIN TREE PROTECTION
 STA 1041+20.91, 155.11' RT
 Q CONST SR 429

END TREE PROTECTION
 STA 1032+63.71, 172.57' RT
 Q CONST SR 429

BEGIN TREE PROTECTION
 STA 1032+95.94, 169.78' RT
 Q CONST SR 429

200' SOUTH OF EXIST
 SR 46 INTERSECTION

200' SOUTH OF EXIST
 SR 46 INTERSECTION

ROAD WORK
 END

ROAD WORK
 AHEAD

ROAD WORK
 END

ROAD WORK
 AHEAD

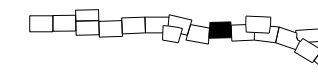
MATCH EXIST.
 +58.81, 12.00' RT
 Q CONST. TCPDIV_SR46_2

GLADE RD

SR 429 (11) STAGE 1

LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- WORK ZONE
- SEDIMENT BARRIER
- FLOATING TURBIDITY BARRIER
- TREE PROTECTION



0 20 100
 Feet

REVISIONS	
DATE	DESCRIPTION

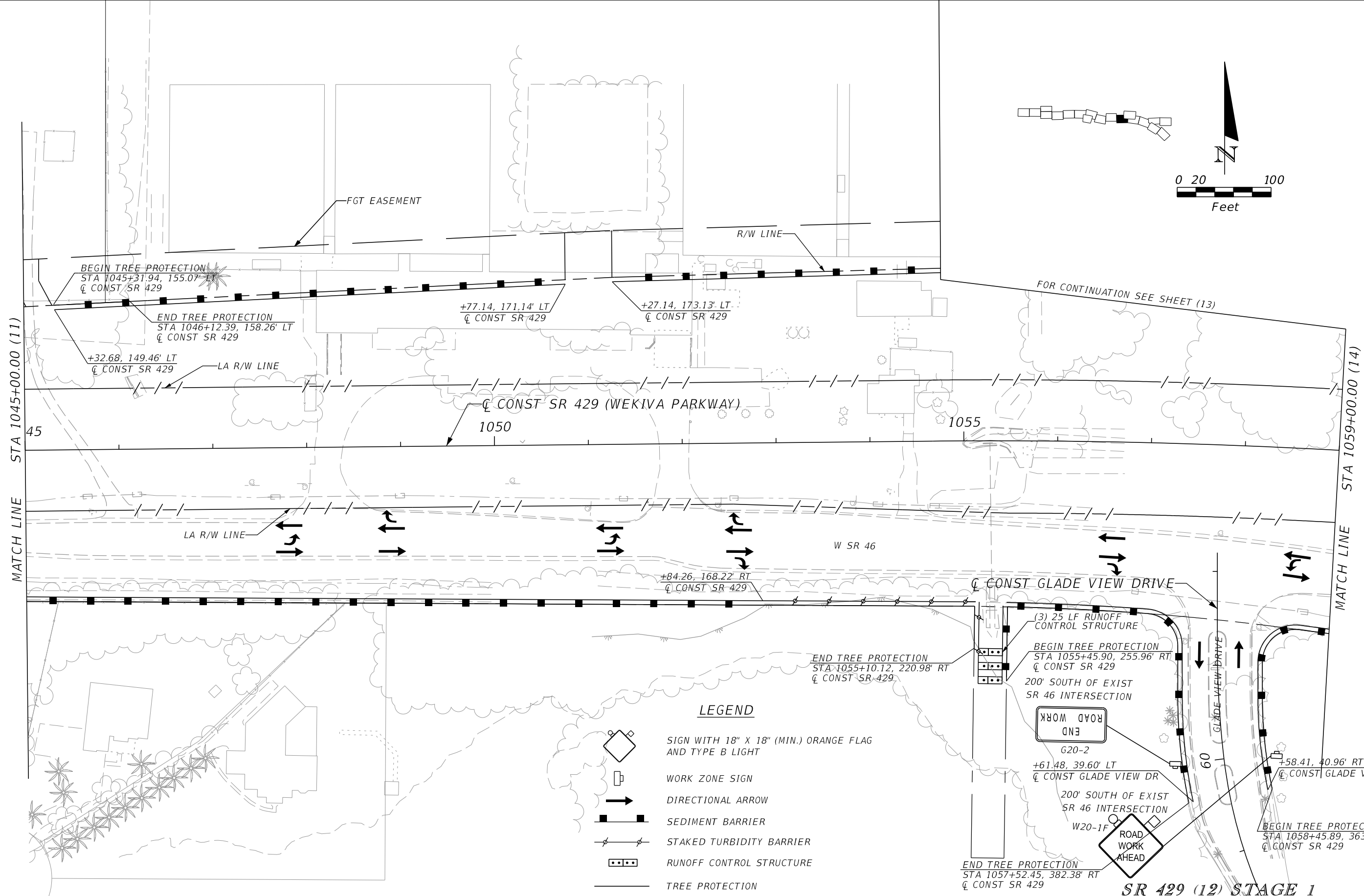
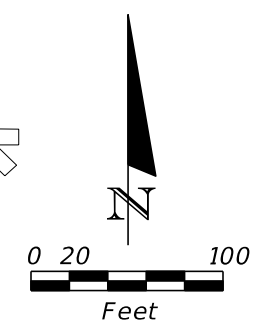
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 0000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

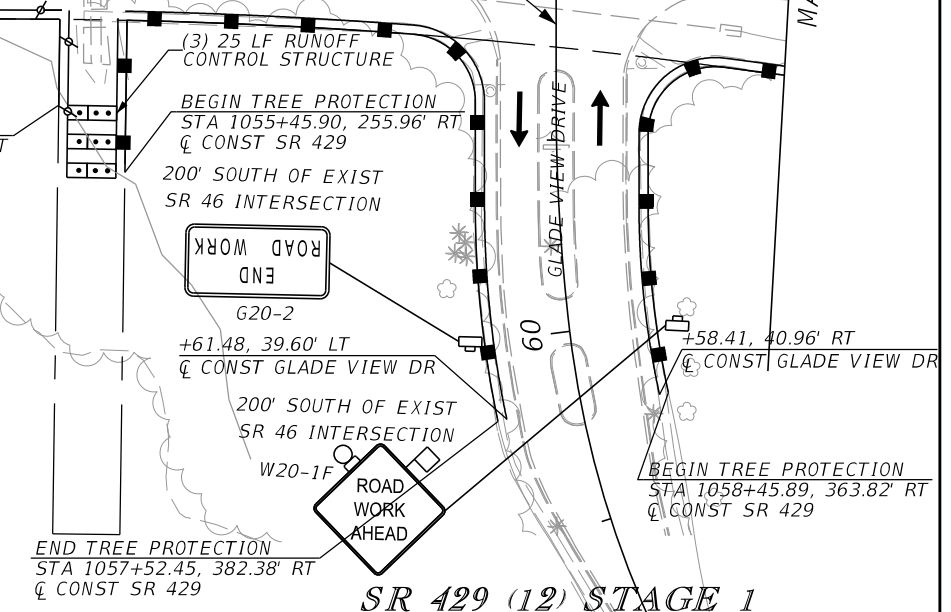
TTCP - PHASE 1A
 STA 1031+50 TO STA 1045+00

SHEET NO.
 1,187

PRELIMINARY: NOT FOR CONSTRUCTION



- LEGEND**
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
 - WORK ZONE SIGN
 - DIRECTIONAL ARROW
 - SEDIMENT BARRIER
 - STAKED TURBIDITY BARRIER
 - RUNOFF CONTROL STRUCTURE
 - TREE PROTECTION



SR 429 (12) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

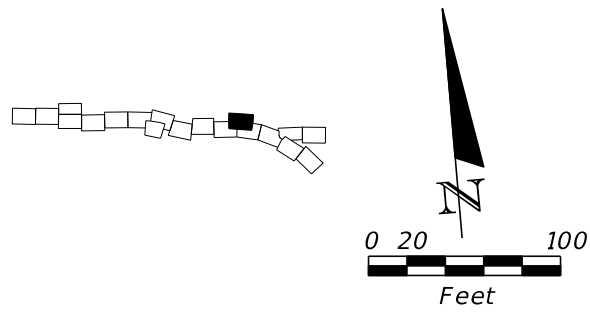
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 1045+00 TO STA 1059+00

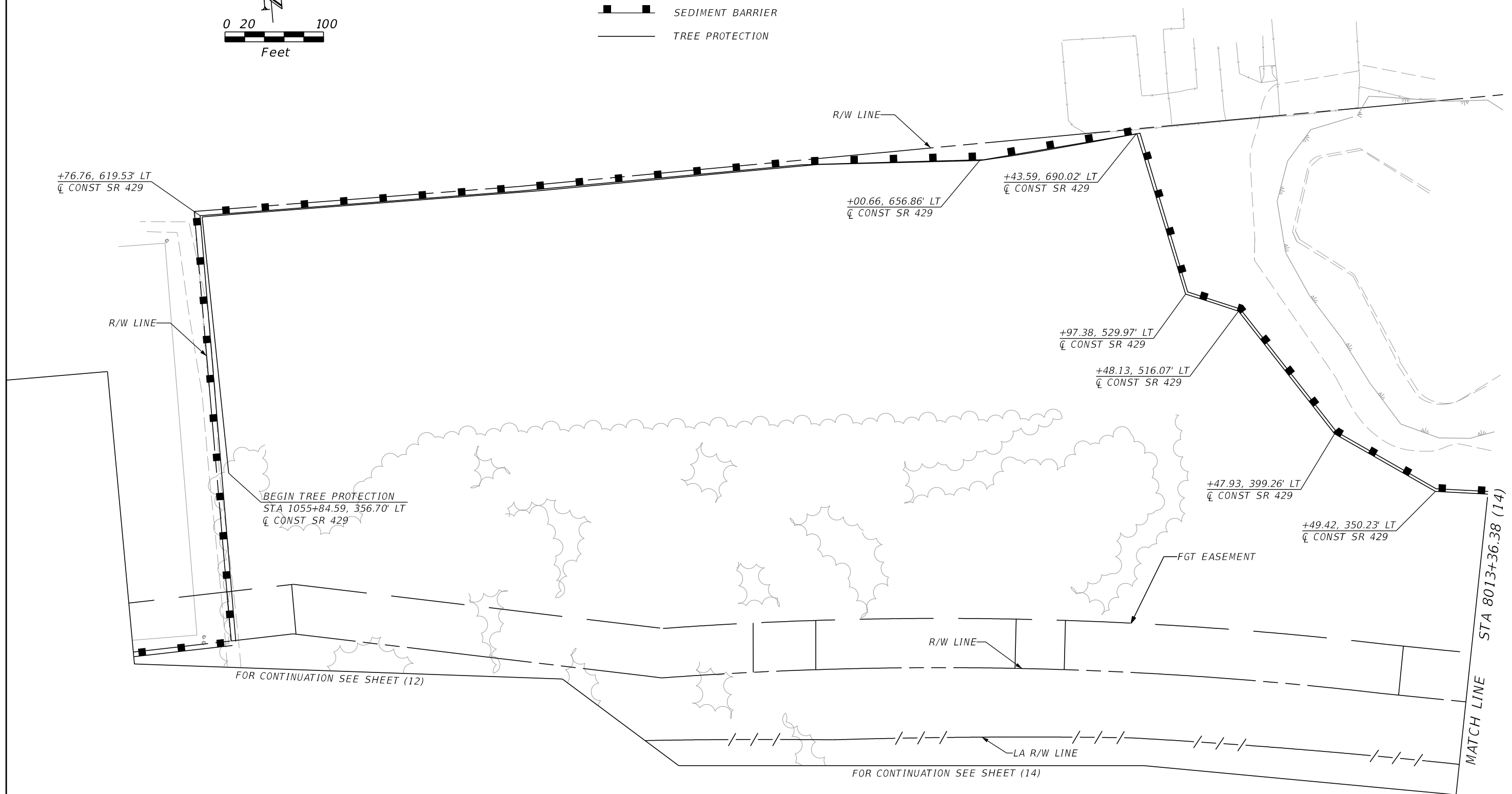
SHEET NO.
1,188

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

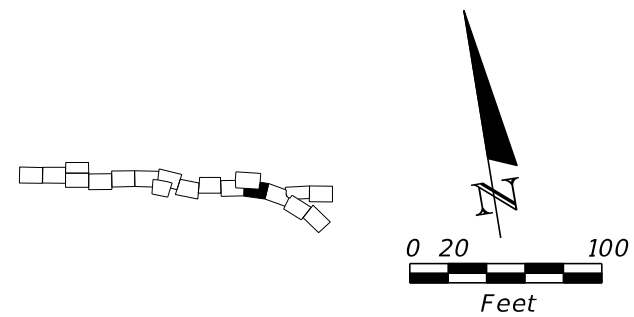
- SEDIMENT BARRIER
- TREE PROTECTION







POND LS (13) STAGE 1

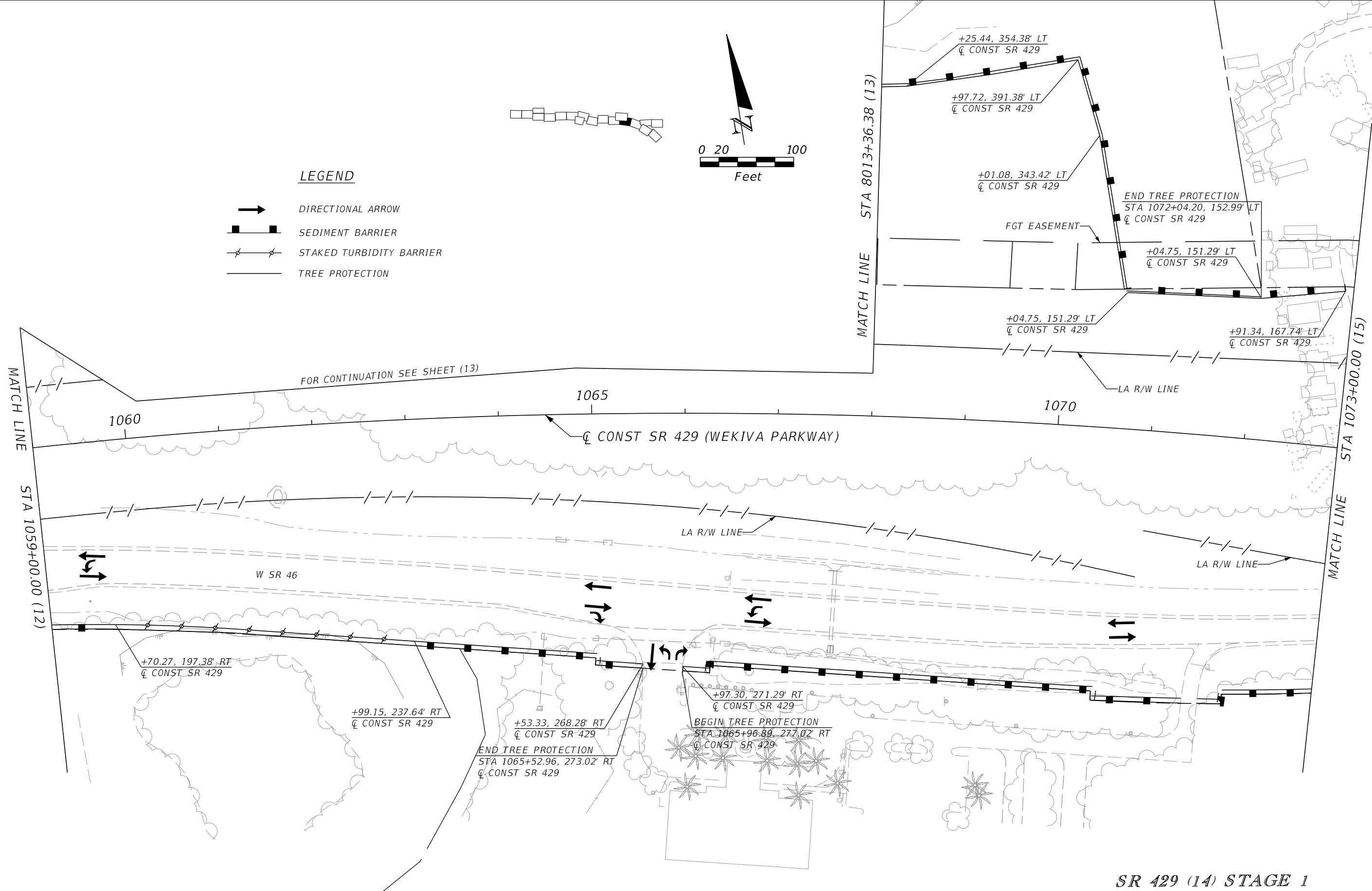
REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A POND LS	SHEET NO. 1,189
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

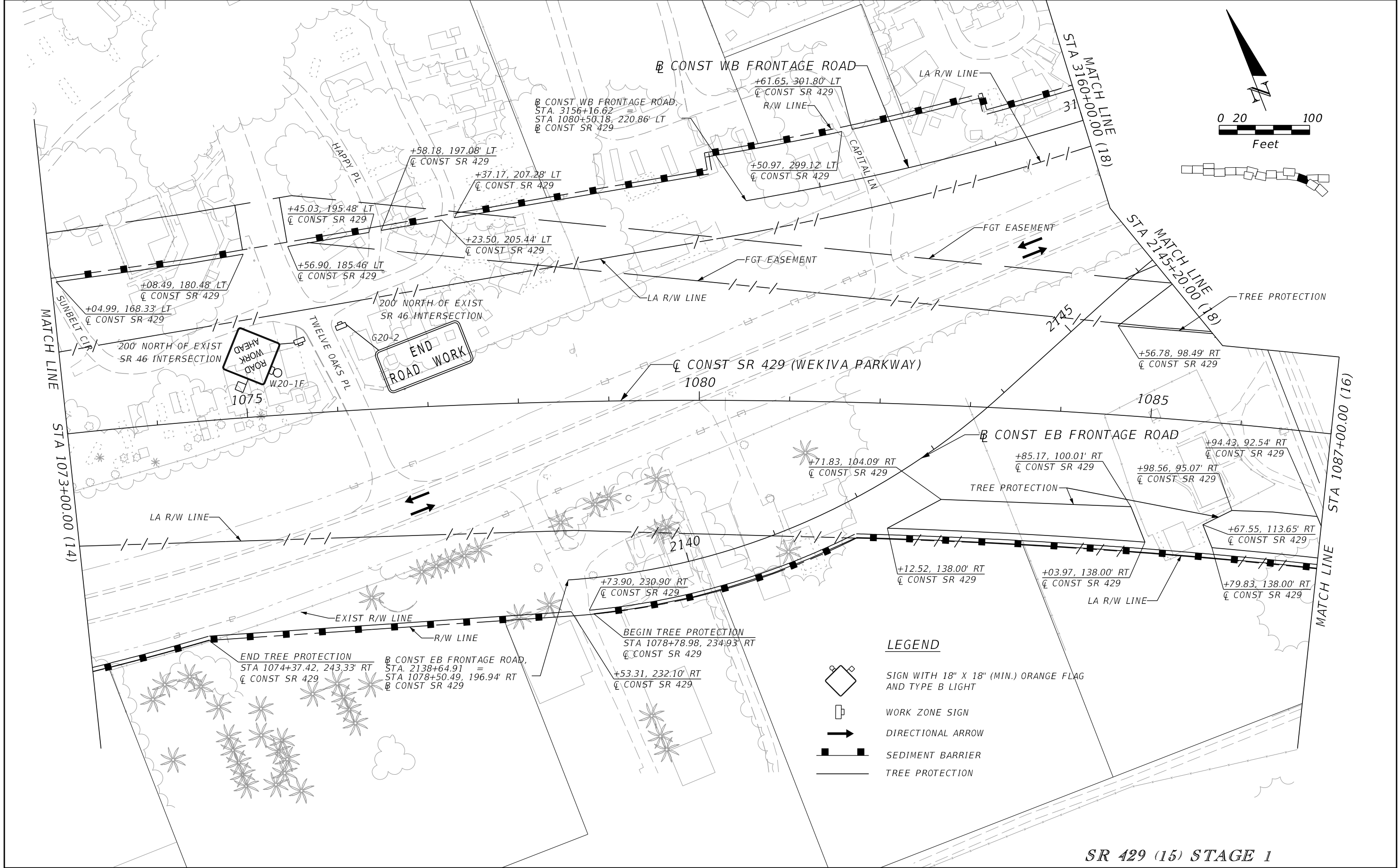
-  DIRECTIONAL ARROW
-  SEDIMENT BARRIER
-  STAKED TURBIDITY BARRIER
-  TREE PROTECTION



SR 429 (14) STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 1059+00 TO STA 1073+00	SHEET NO. 1,190
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

	SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
	WORK ZONE SIGN
	DIRECTIONAL ARROW
	SEDIMENT BARRIER
	TREE PROTECTION

SR 429 (15) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

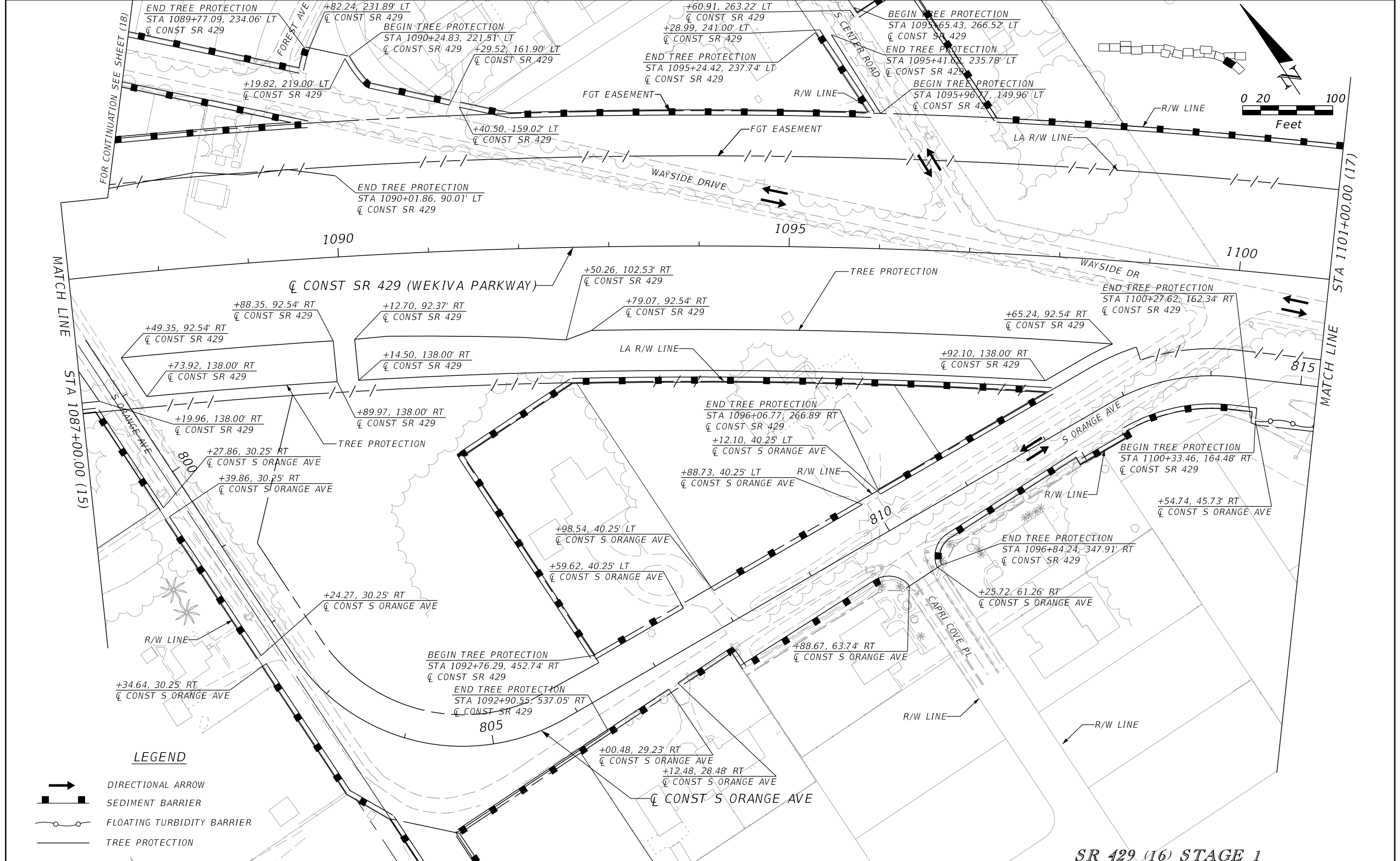
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01





TTCP - PHASE 1A
STA 1073+00 TO STA 1087+00

SHEET NO.
1,191

PRELIMINARY: NOT FOR CONSTRUCTION



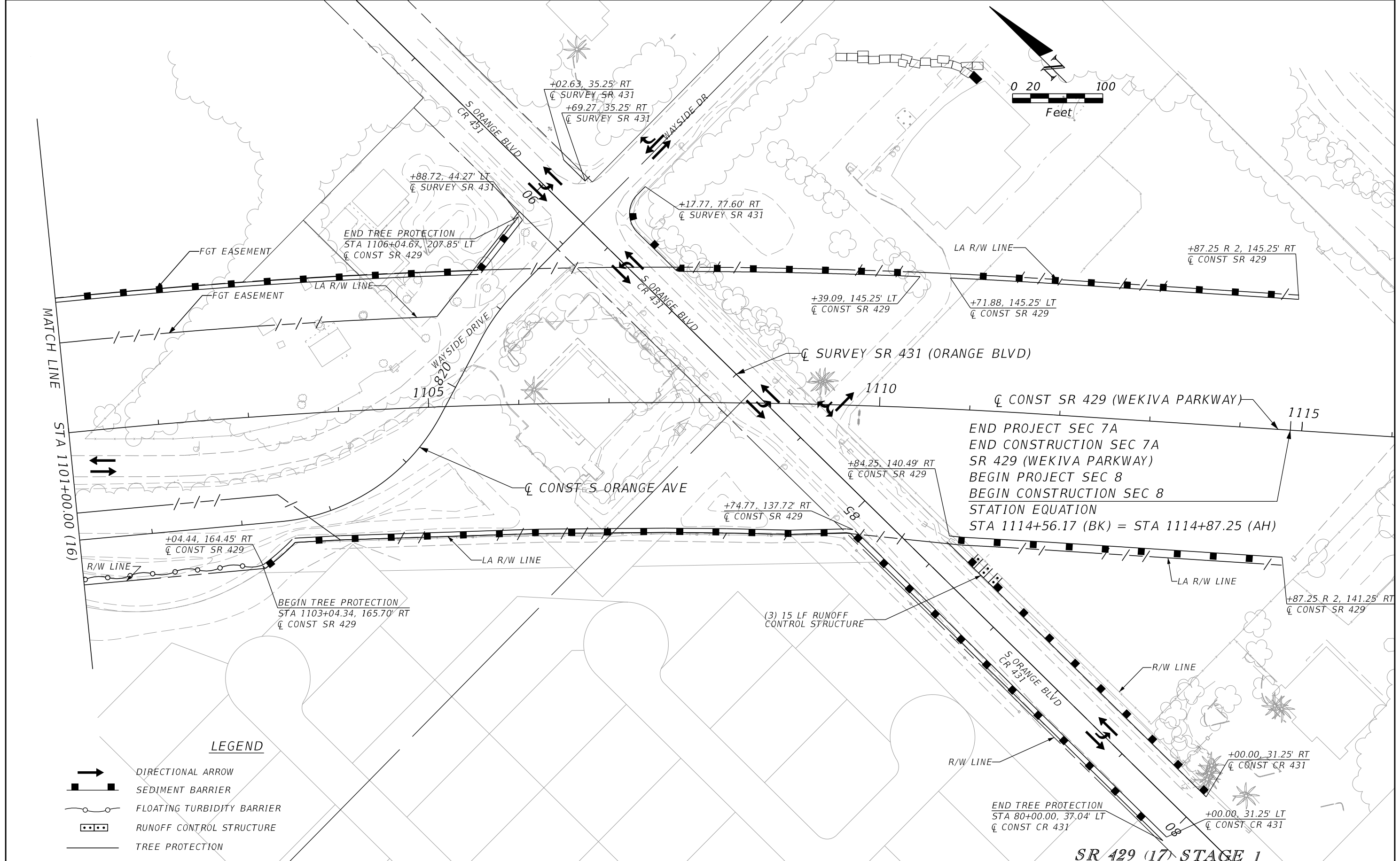
LEGEND

-  DIRECTIONAL ARROW
-  SEDIMENT BARRIER
-  FLOATING TURBIDITY BARRIER
-  TREE PROTECTION

SR 429 (16) STAGE 1

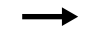
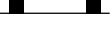
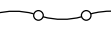
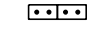
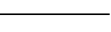
REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 1087+00 TO STA 1101+00	SHEET NO. 1,192
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



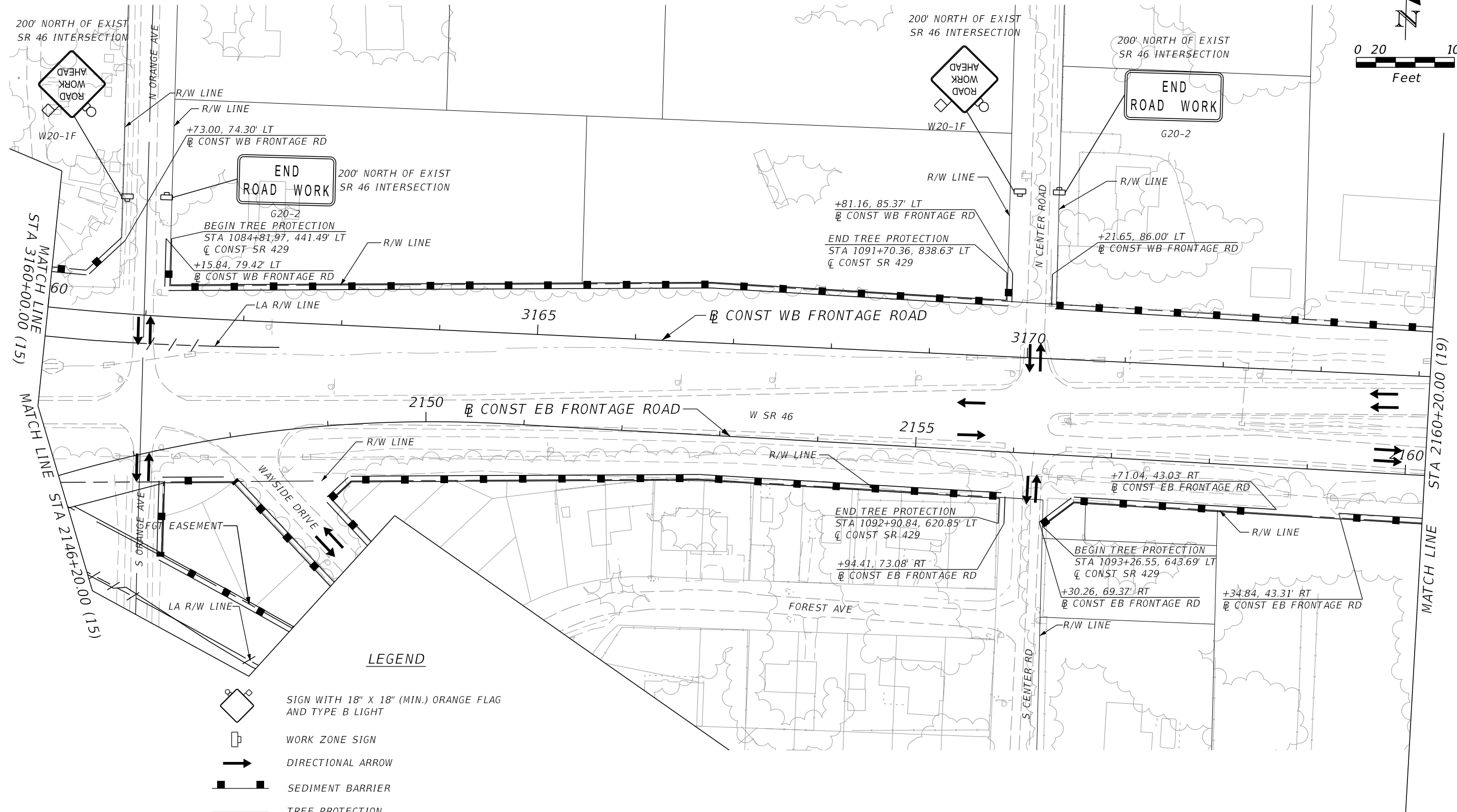
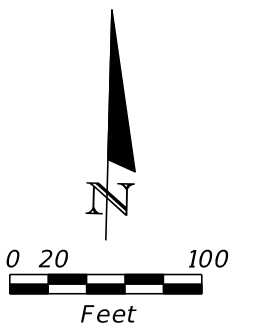
END PROJECT SEC 7A
 END CONSTRUCTION SEC 7A
 SR 429 (WEKIVA PARKWAY)
 BEGIN PROJECT SEC 8
 BEGIN CONSTRUCTION SEC 8
 STATION EQUATION
 STA 1114+56.17 (BK) = STA 1114+87.25 (AH)

LEGEND

-  DIRECTIONAL ARROW
-  SEDIMENT BARRIER
-  FLOATING TURBIDITY BARRIER
-  RUNOFF CONTROL STRUCTURE
-  TREE PROTECTION

REVISIONS		PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		TTCP -PHASE 1A STA 1101+00 TO STA 1115+31	SHEET NO. 1,193
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				429	SEMINOLE	240200-2-52-01	

PRELIMINARY: NOT FOR CONSTRUCTION



LEGEND

- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- WORK ZONE SIGN
- DIRECTIONAL ARROW
- SEDIMENT BARRIER
- TREE PROTECTION

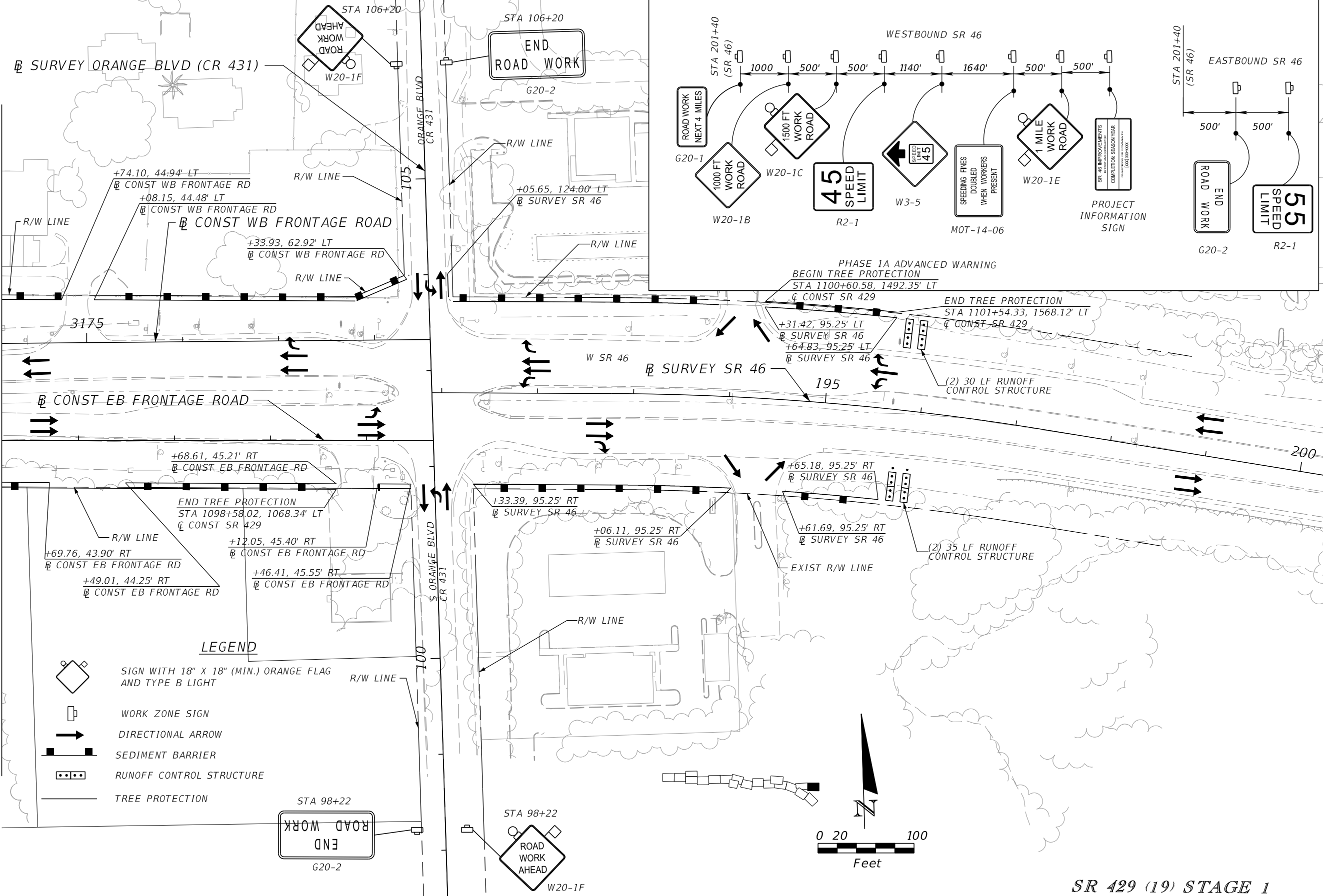
SR 429 (18) STAGE 1

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 2146+20 TO STA 2160+20	SHEET NO. 1,194
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

STA 2160+20.00 (18)
MATCH LINE

MATCH LINE
STA 2164+69.83 Ext. 950.17



SR 429 (19) STAGE 1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

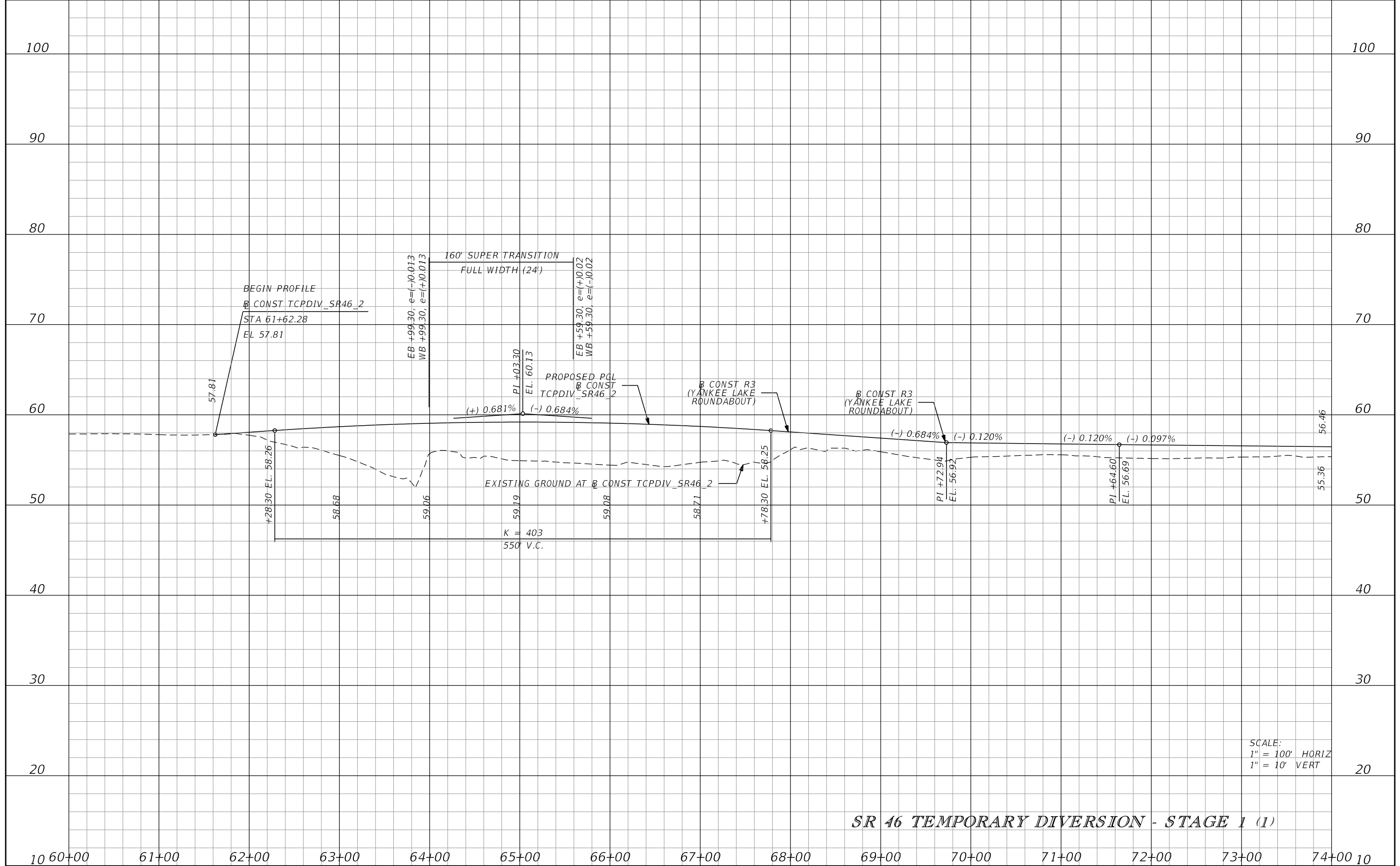
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 2160+20 TO STA 2164+69

SHEET NO.
1,195

PRELIMINARY: NOT FOR CONSTRUCTION



SR 46 TEMPORARY DIVERSION - STAGE 1 (1)

SCALE:
1" = 100' HORIZ
1" = 10' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

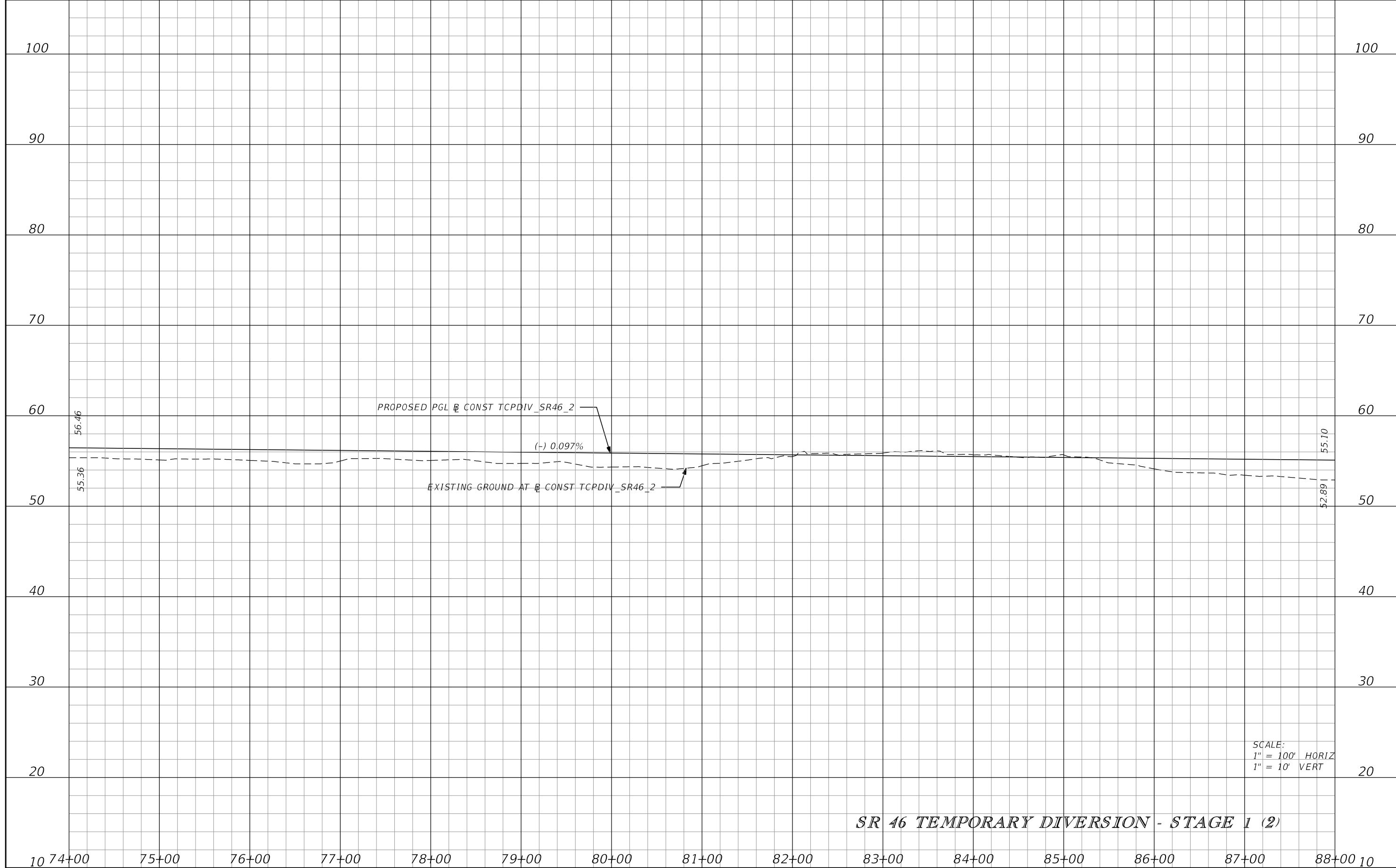
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP PHASE 1A PROFILE

SHEET NO.
1,196

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE:
 1" = 100' HORIZ
 1" = 10' VERT

SR 46 TEMPORARY DIVERSION - STAGE 1 (2)

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP PHASE 1A PROFILE	SHEET NO. 1,197
REVISIONS																	
DATE	DESCRIPTION																
		ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
		429	SEMINOLE	240200-2-52-01													

PRELIMINARY: NOT FOR CONSTRUCTION



SR 46 TEMPORARY DIVERSION - STAGE 1 (3)

SCALE:
1" = 100' HORIZ
1" = 10' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

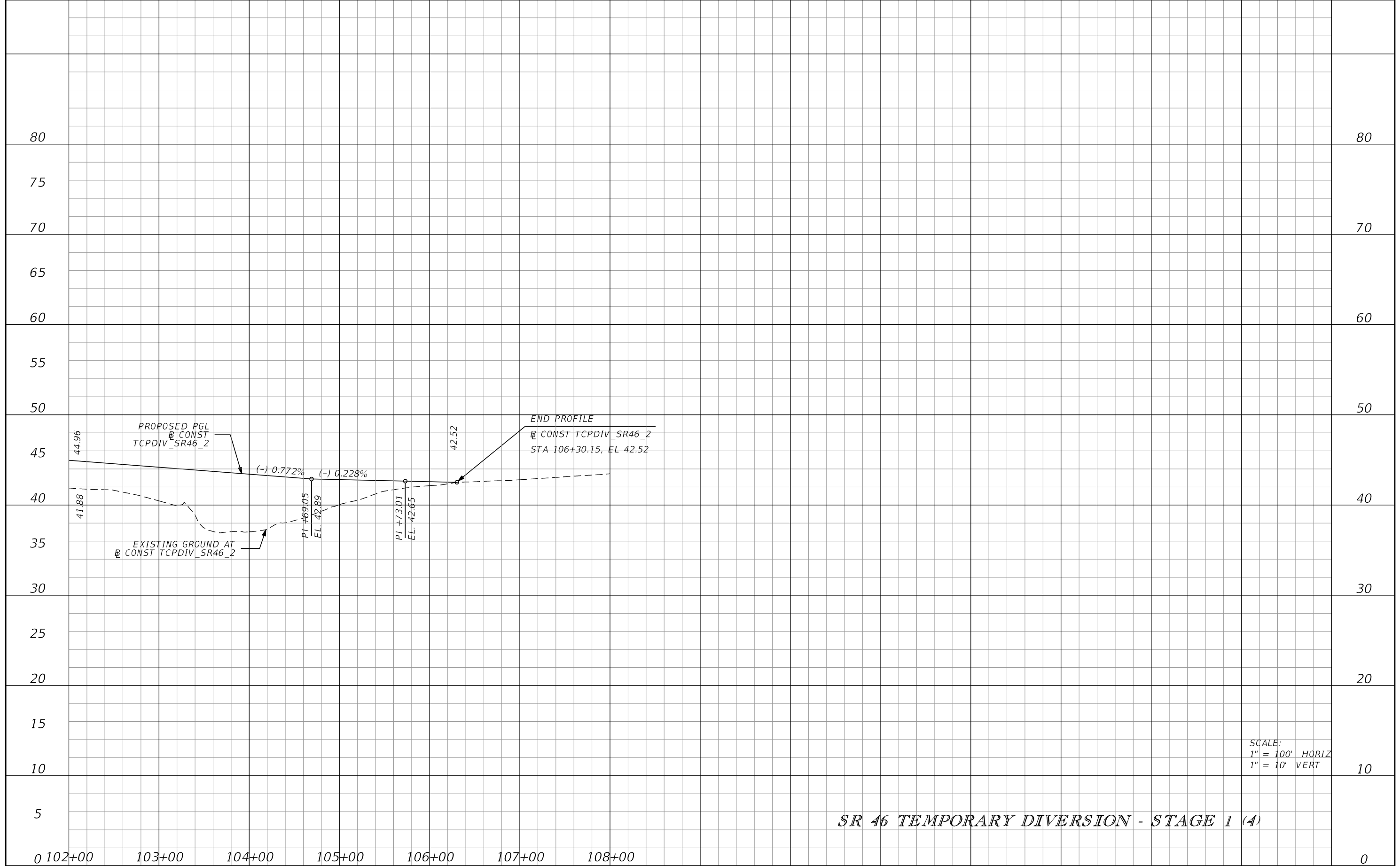
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP PHASE 1A PROFILE

SHEET NO.
1,198

PRELIMINARY: NOT FOR CONSTRUCTION



SR 46 TEMPORARY DIVERSION - STAGE 1 (A)

SCALE:
1" = 100' HORIZ
1" = 10' VERT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

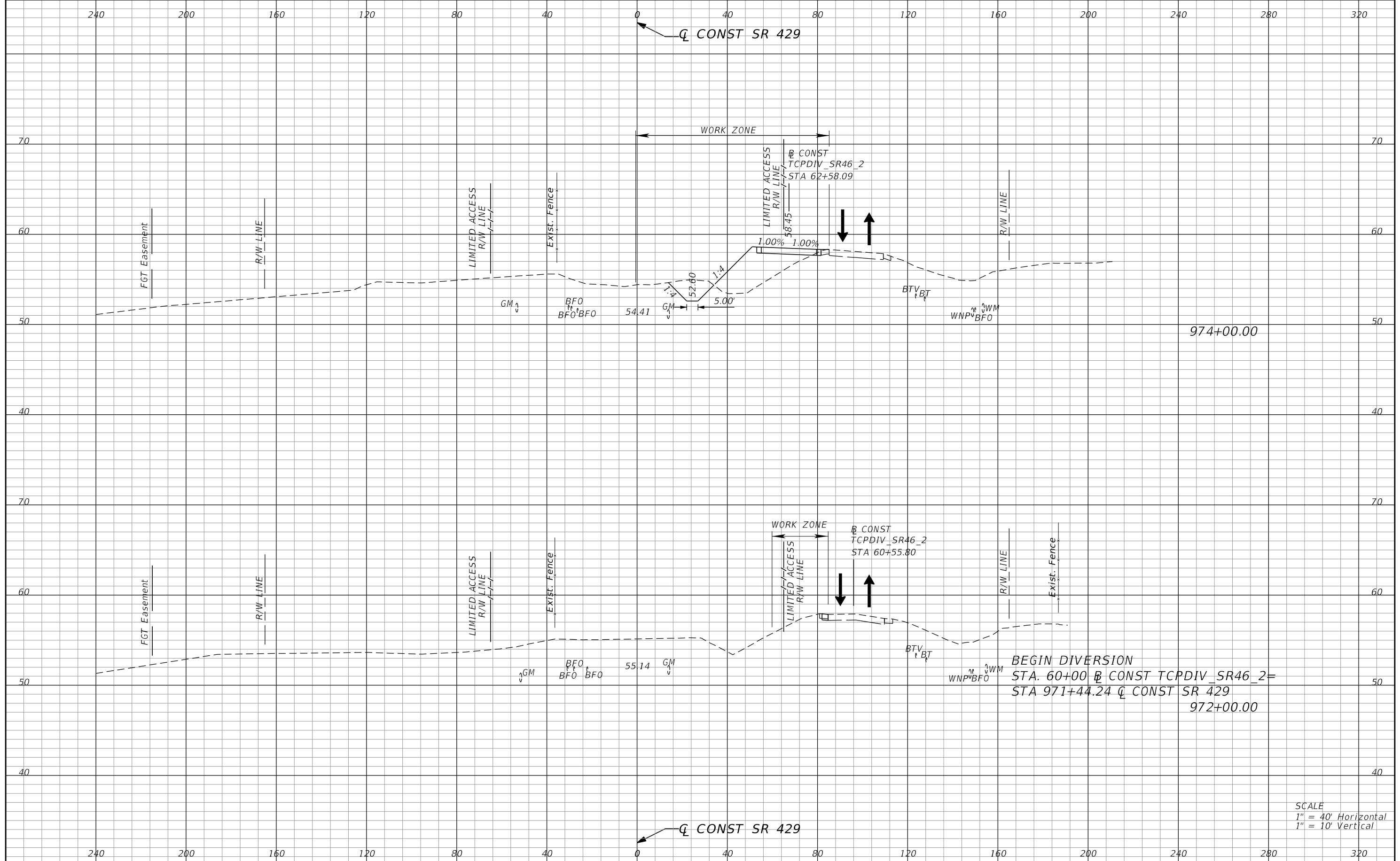
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP PHASE 1A PROFILE

SHEET NO.
1,199

PRELIMINARY: NOT FOR CONSTRUCTION



BEGIN DIVERSION
 STA. 60+00 @ CONST TCPDIV_SR46_2=
 STA 971+44.24 Q CONST SR 429
 972+00.00

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

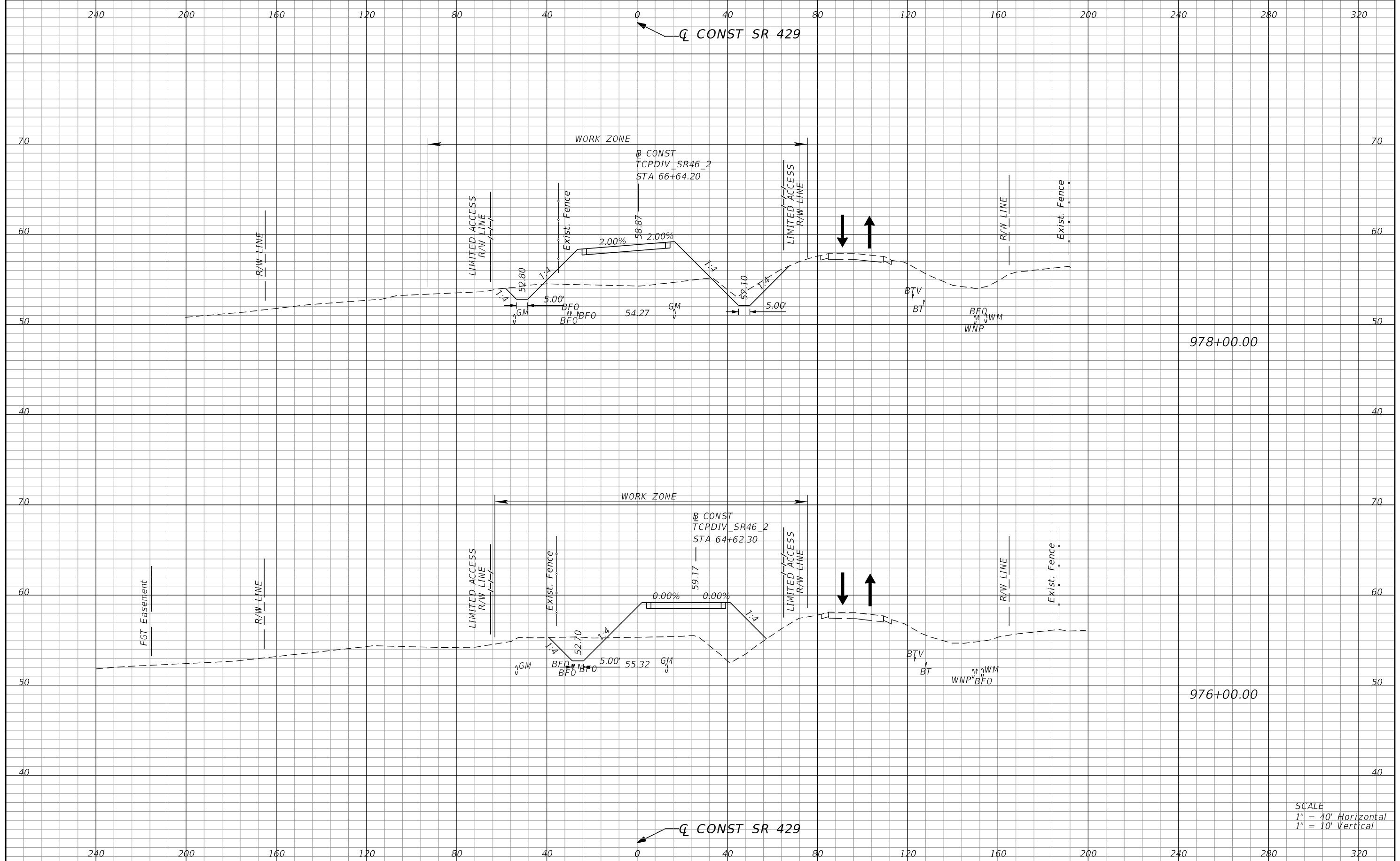
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,200

PRELIMINARY: NOT FOR CONSTRUCTION



978+00.00

976+00.00

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

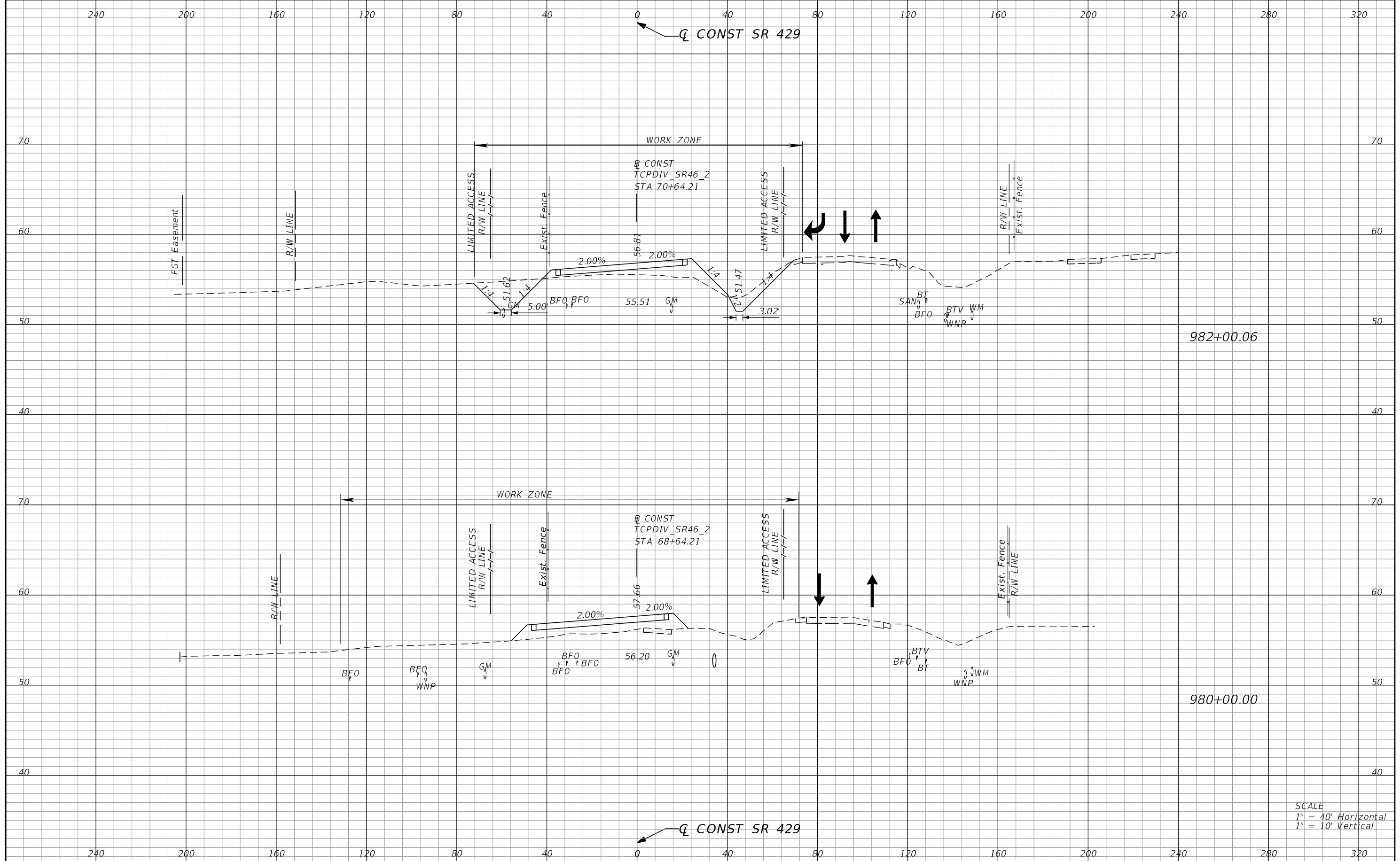
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,201

PRELIMINARY: NOT FOR CONSTRUCTION



982+00.06

980+00.00

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

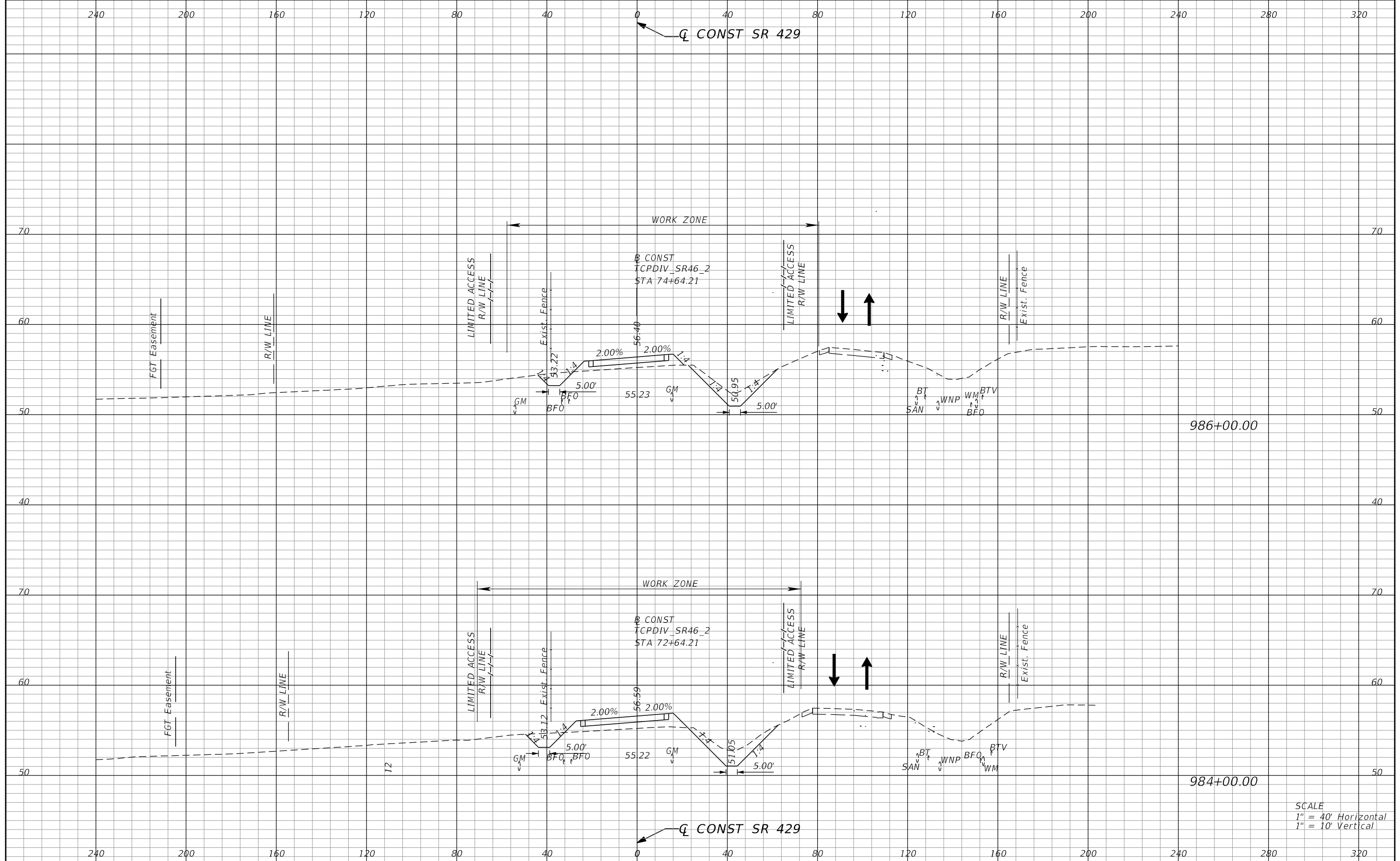
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,202

PRELIMINARY: NOT FOR CONSTRUCTION



986+00.00

984+00.00

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

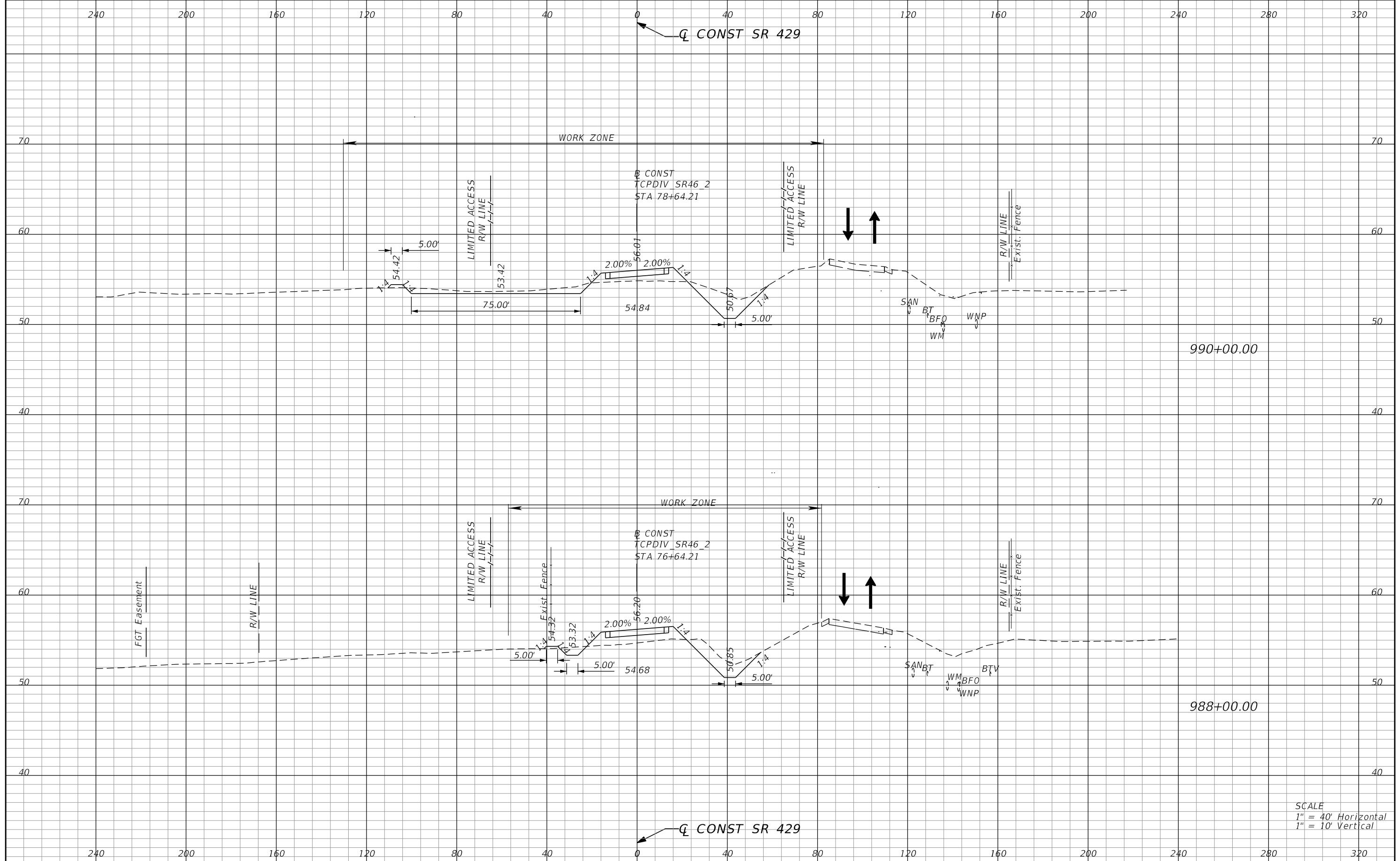
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,203

PRELIMINARY: NOT FOR CONSTRUCTION



990+00.00

988+00.00

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

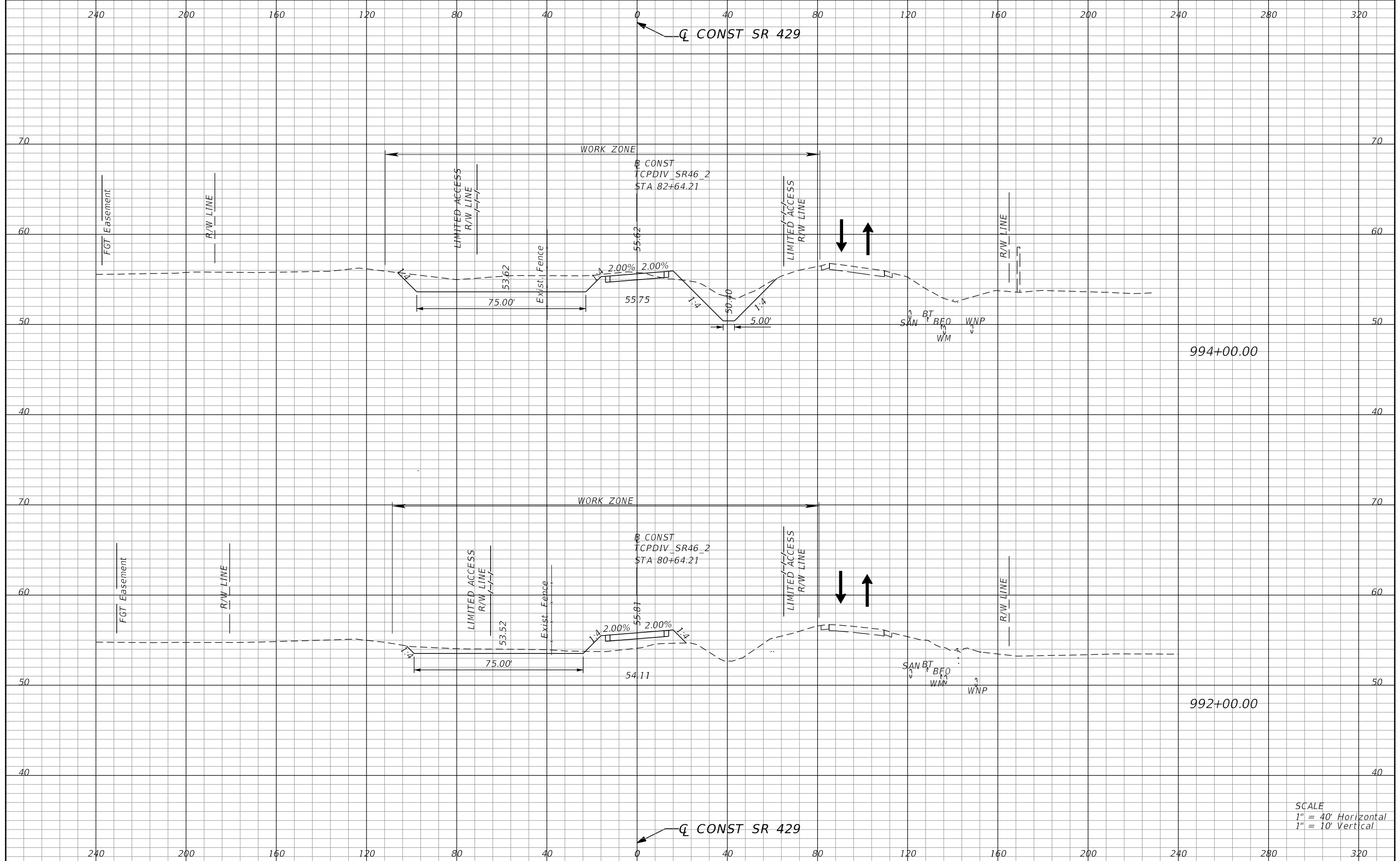
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,204

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

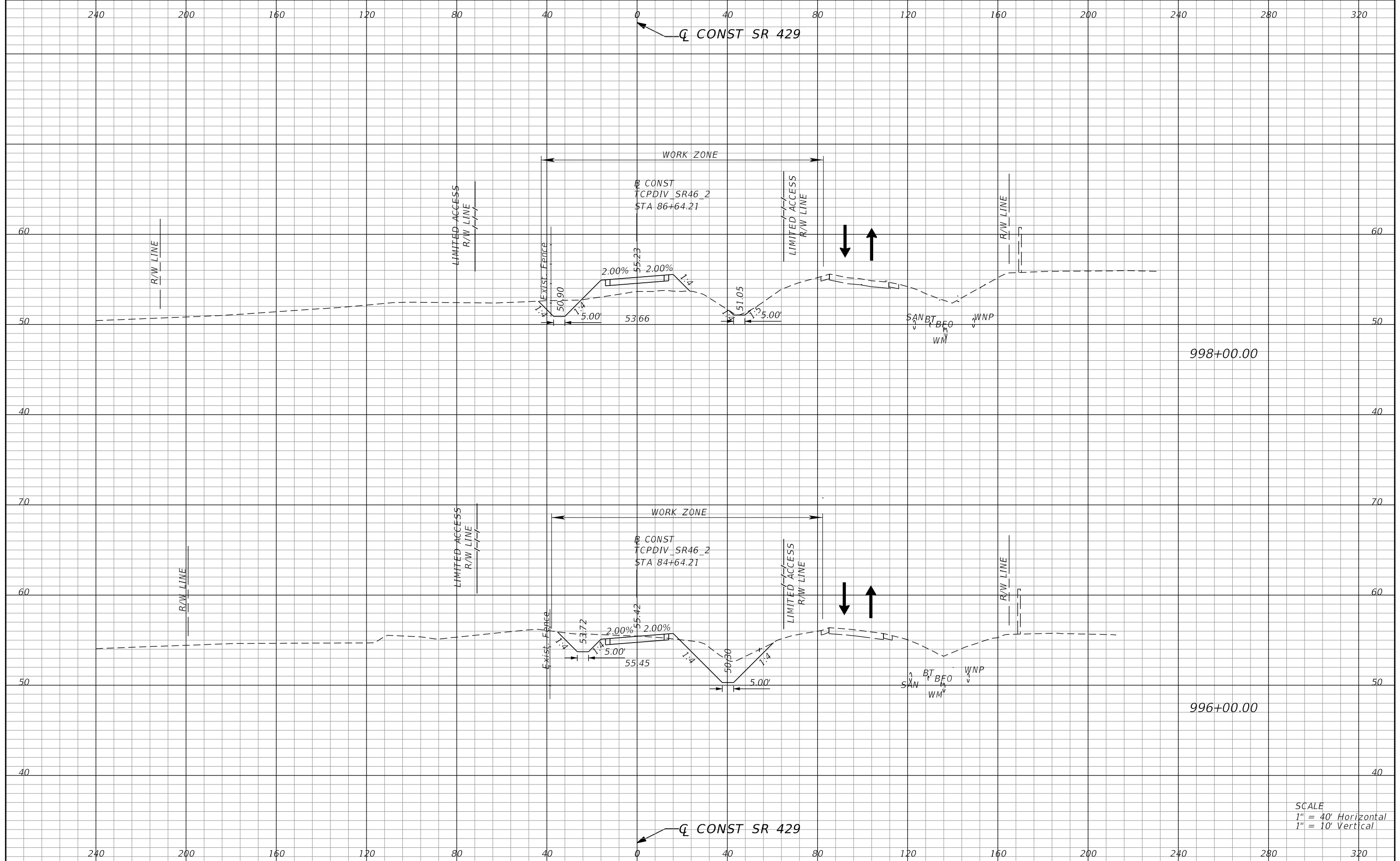
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,205

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

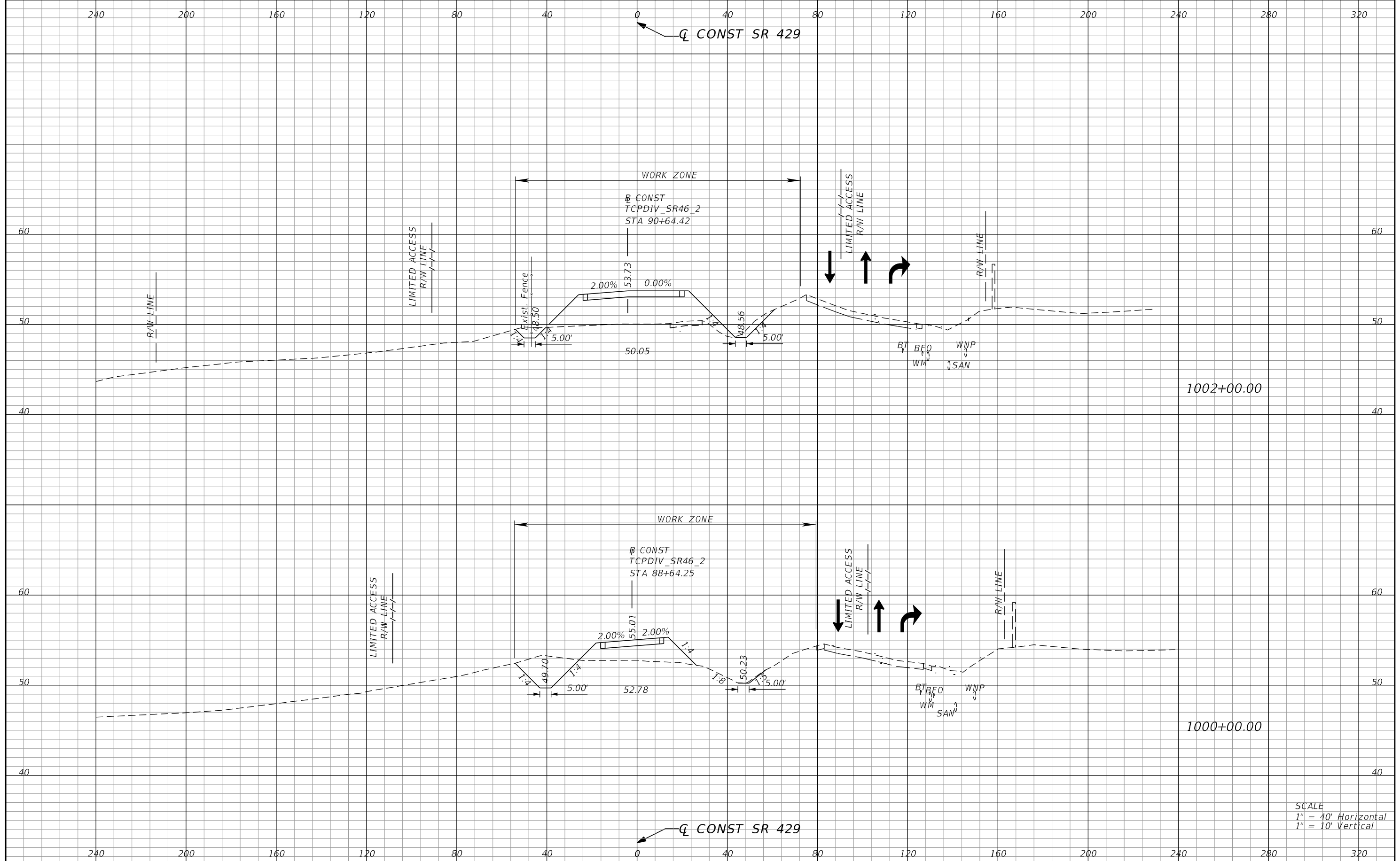
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,206

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

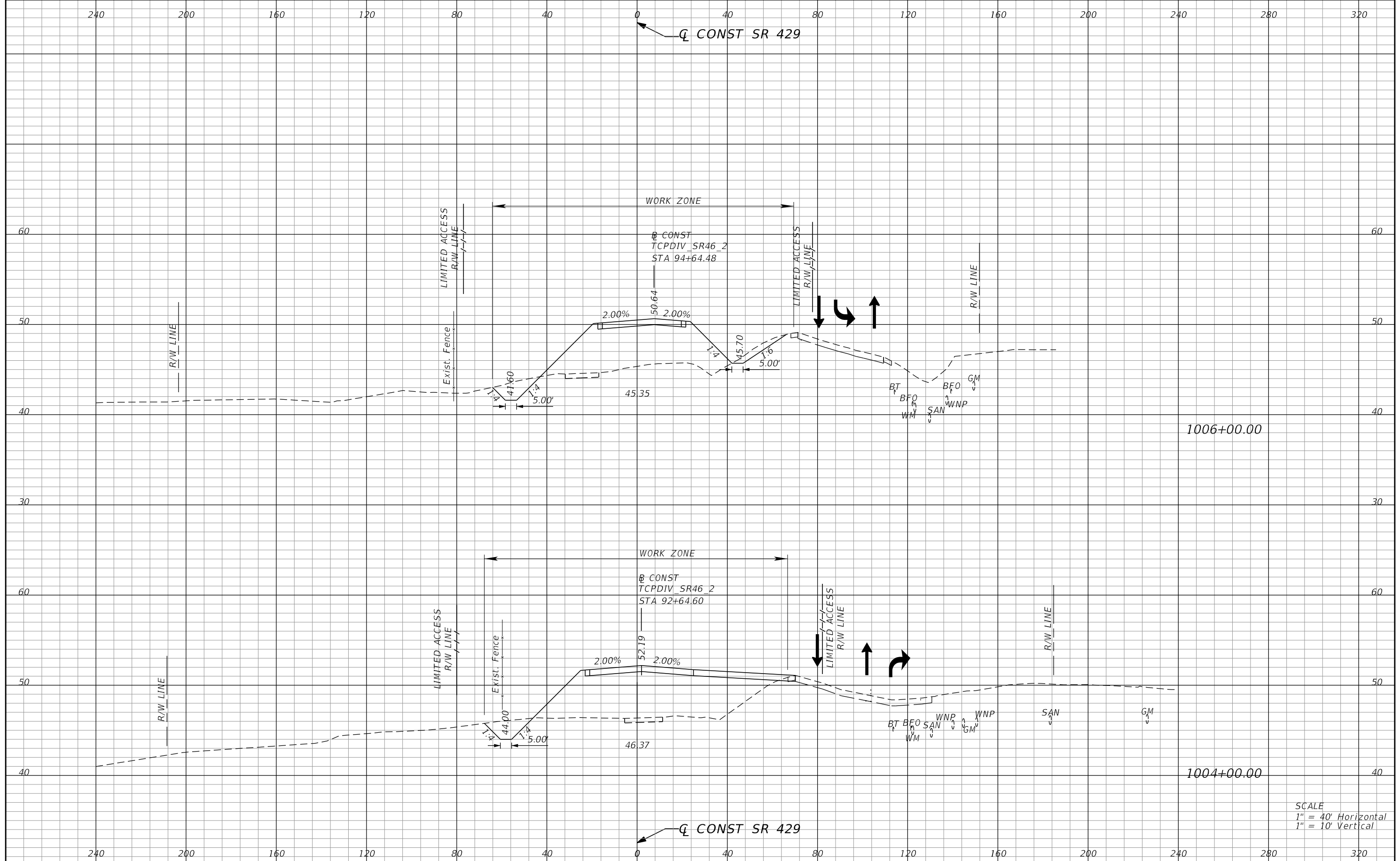
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,207

PRELIMINARY: NOT FOR CONSTRUCTION



1006+00.00

1004+00.00

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

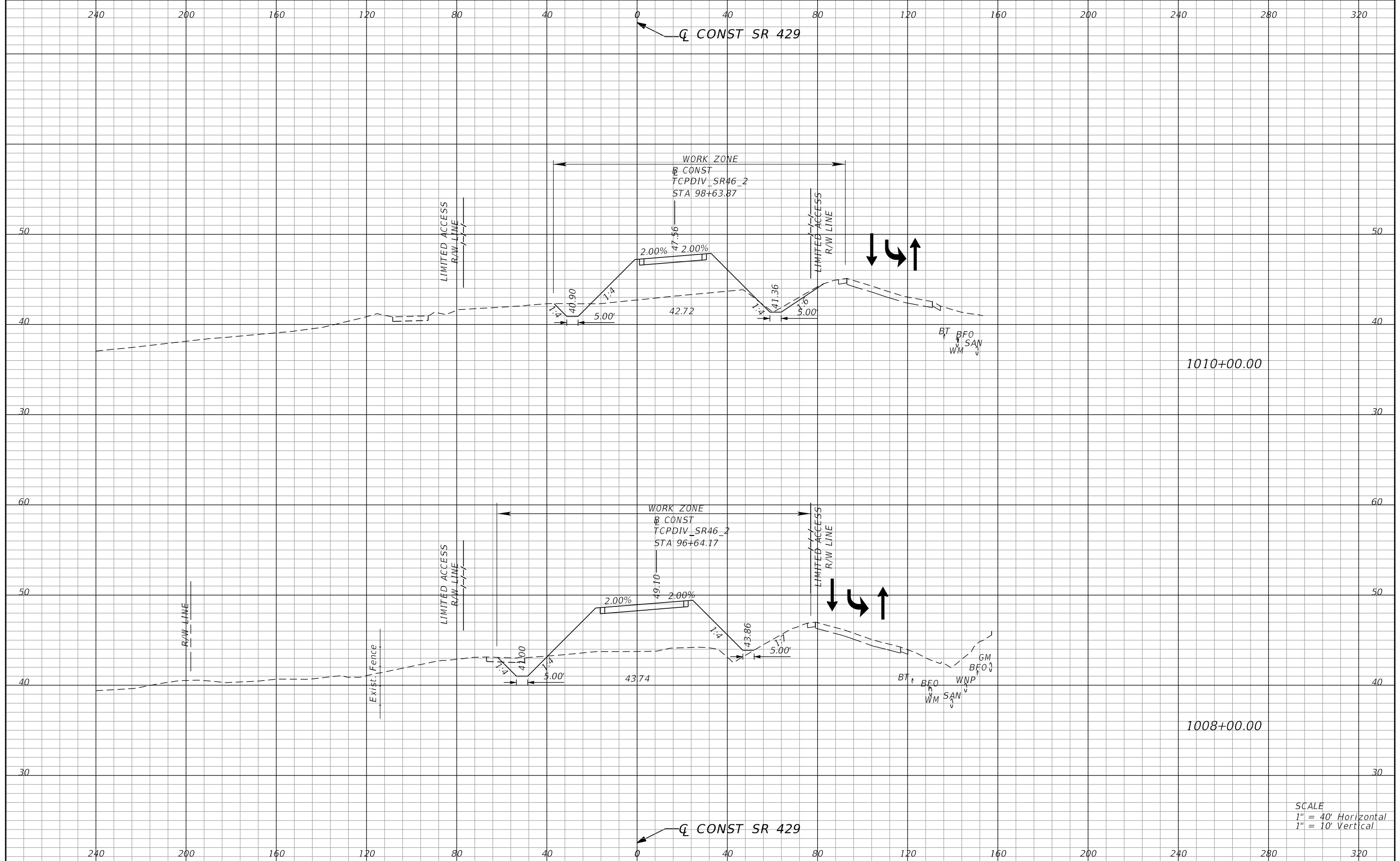
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,208

PRELIMINARY: NOT FOR CONSTRUCTION



1010+00.00

1008+00.00

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

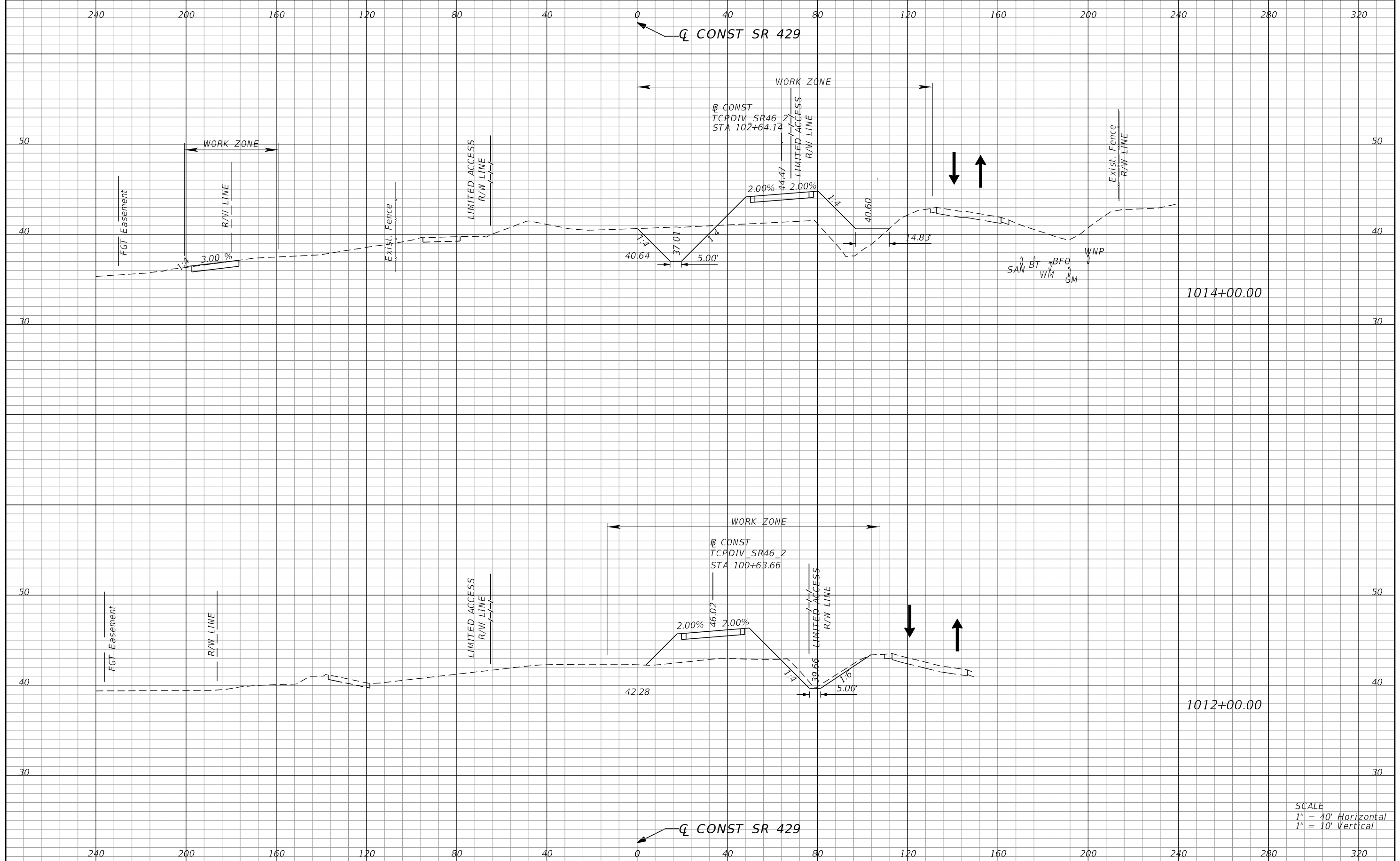
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,209

PRELIMINARY: NOT FOR CONSTRUCTION



1014+00.00

1012+00.00

SCALE
1" = 40' Horizontal
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

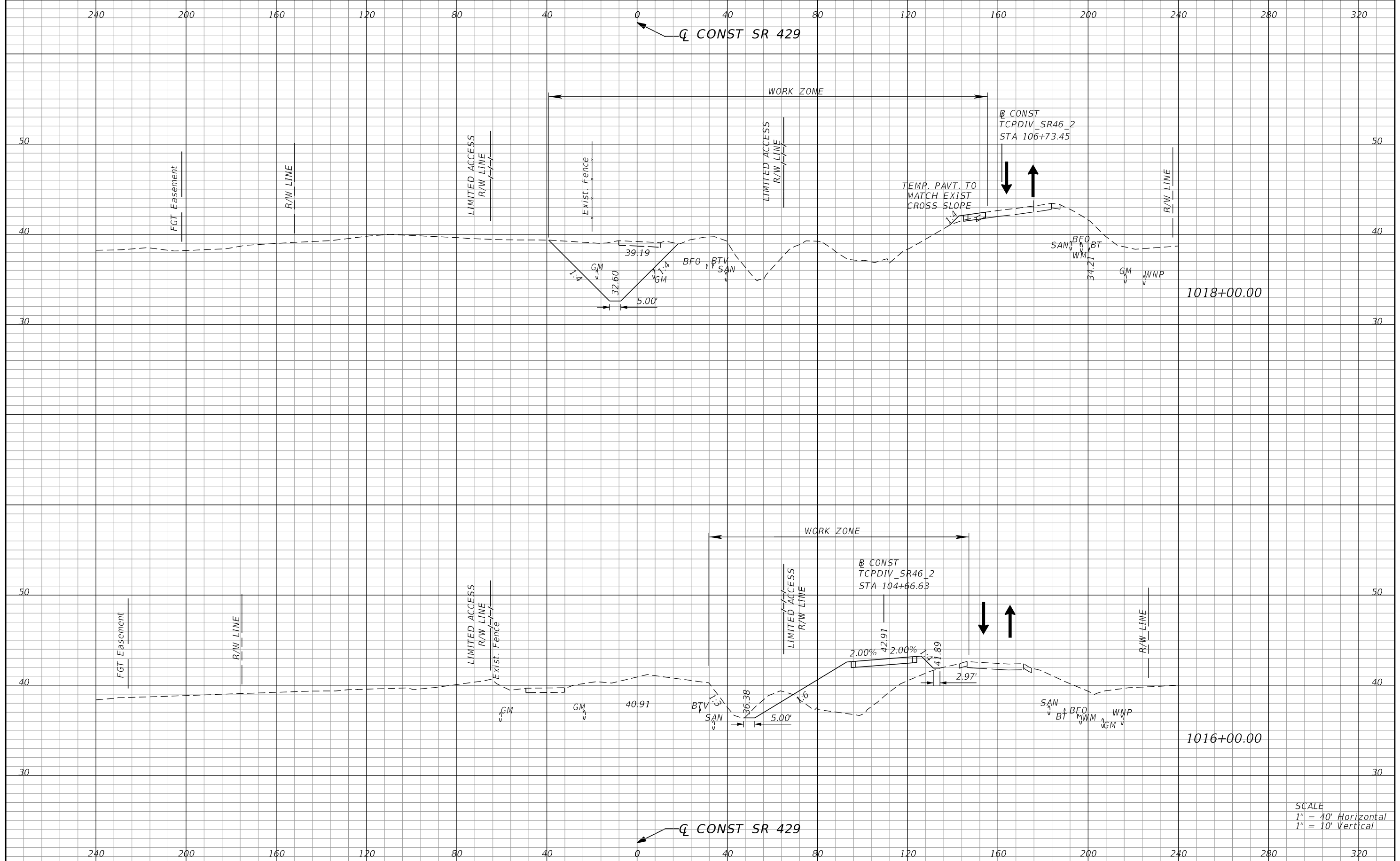
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,210

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

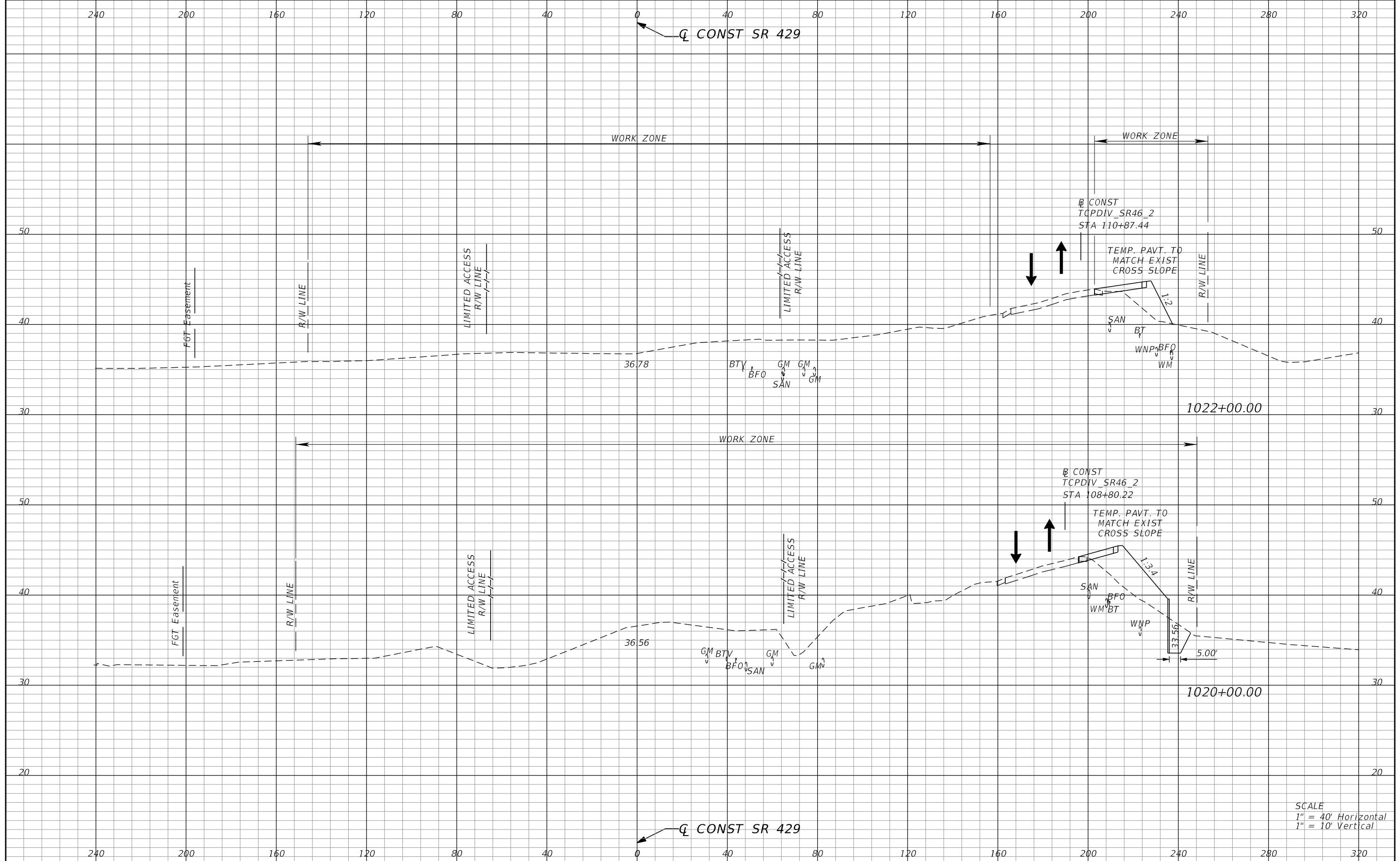
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,211

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

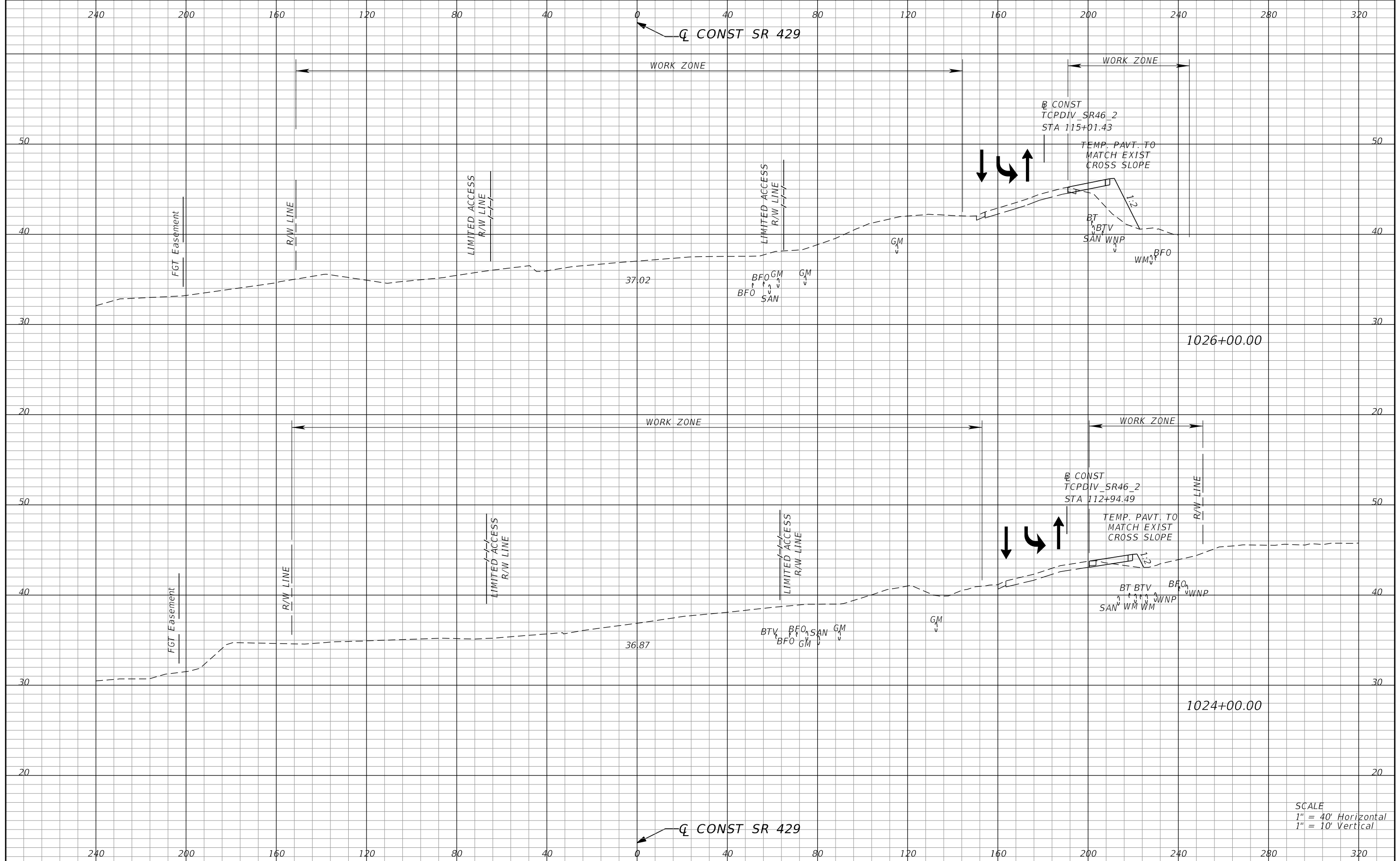
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,212

PRELIMINARY: NOT FOR CONSTRUCTION



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

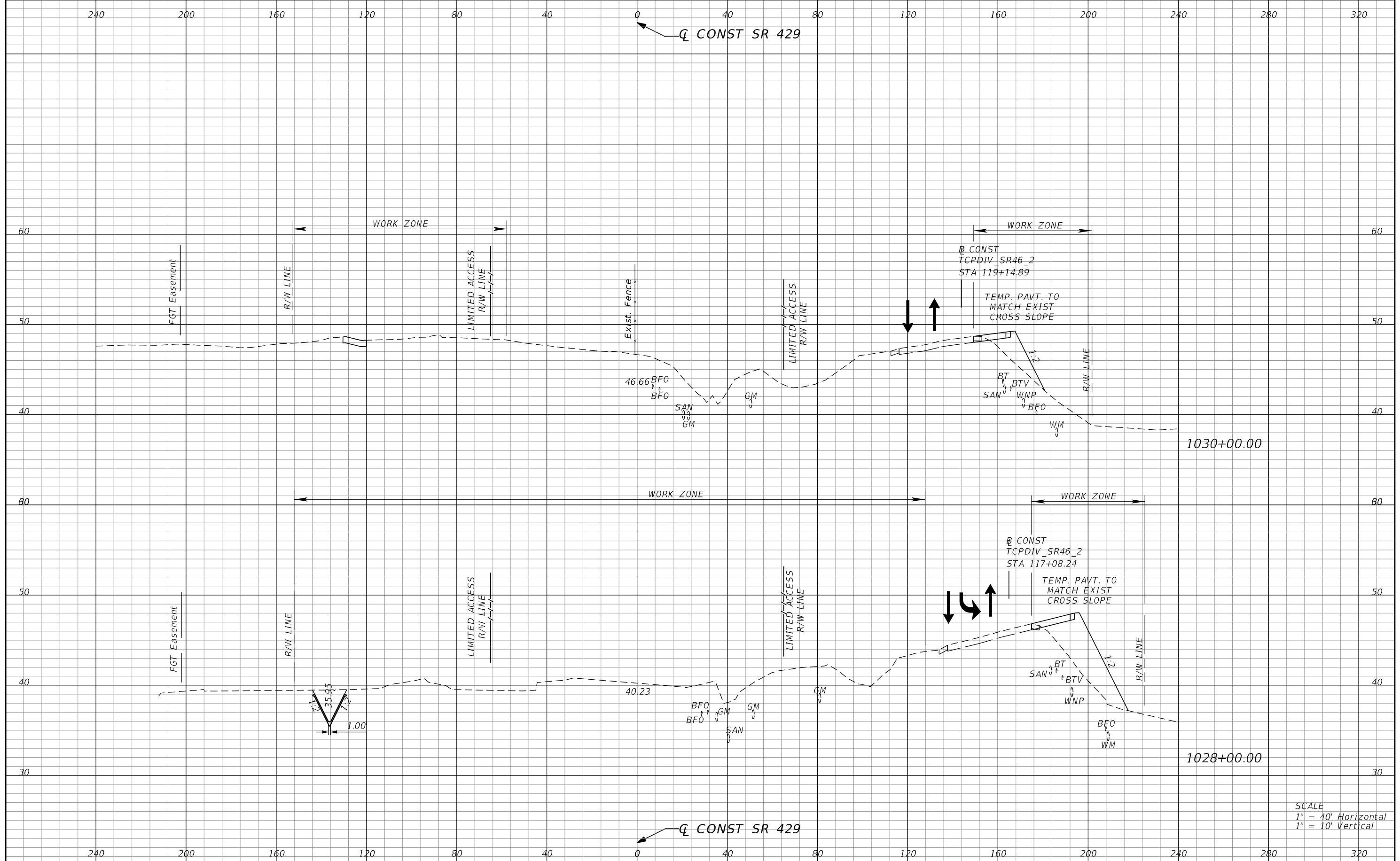
PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
 CROSS SECTIONS**

SHEET NO.
1,213

PRELIMINARY: NOT FOR CONSTRUCTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

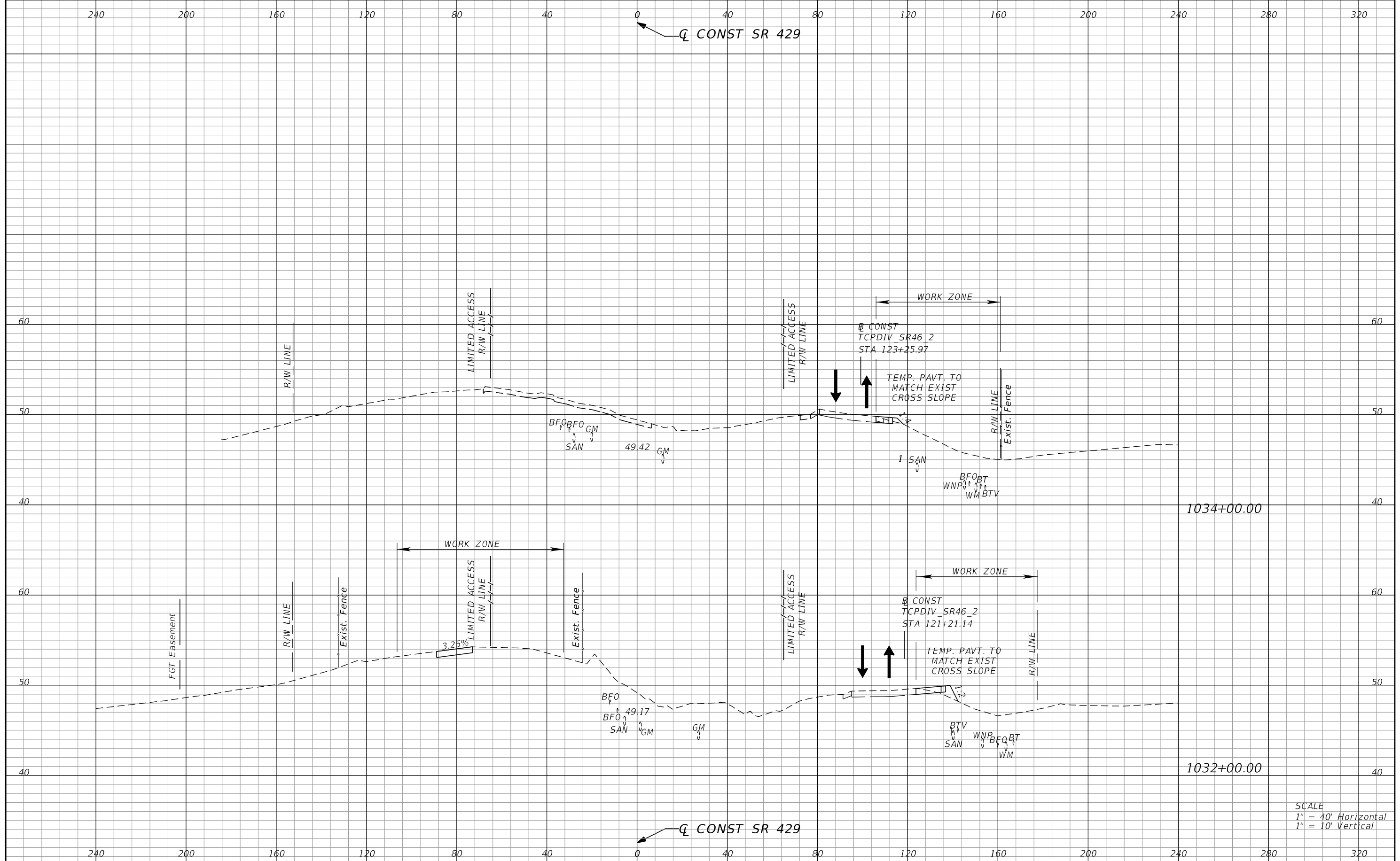
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,214

PRELIMINARY: NOT FOR CONSTRUCTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

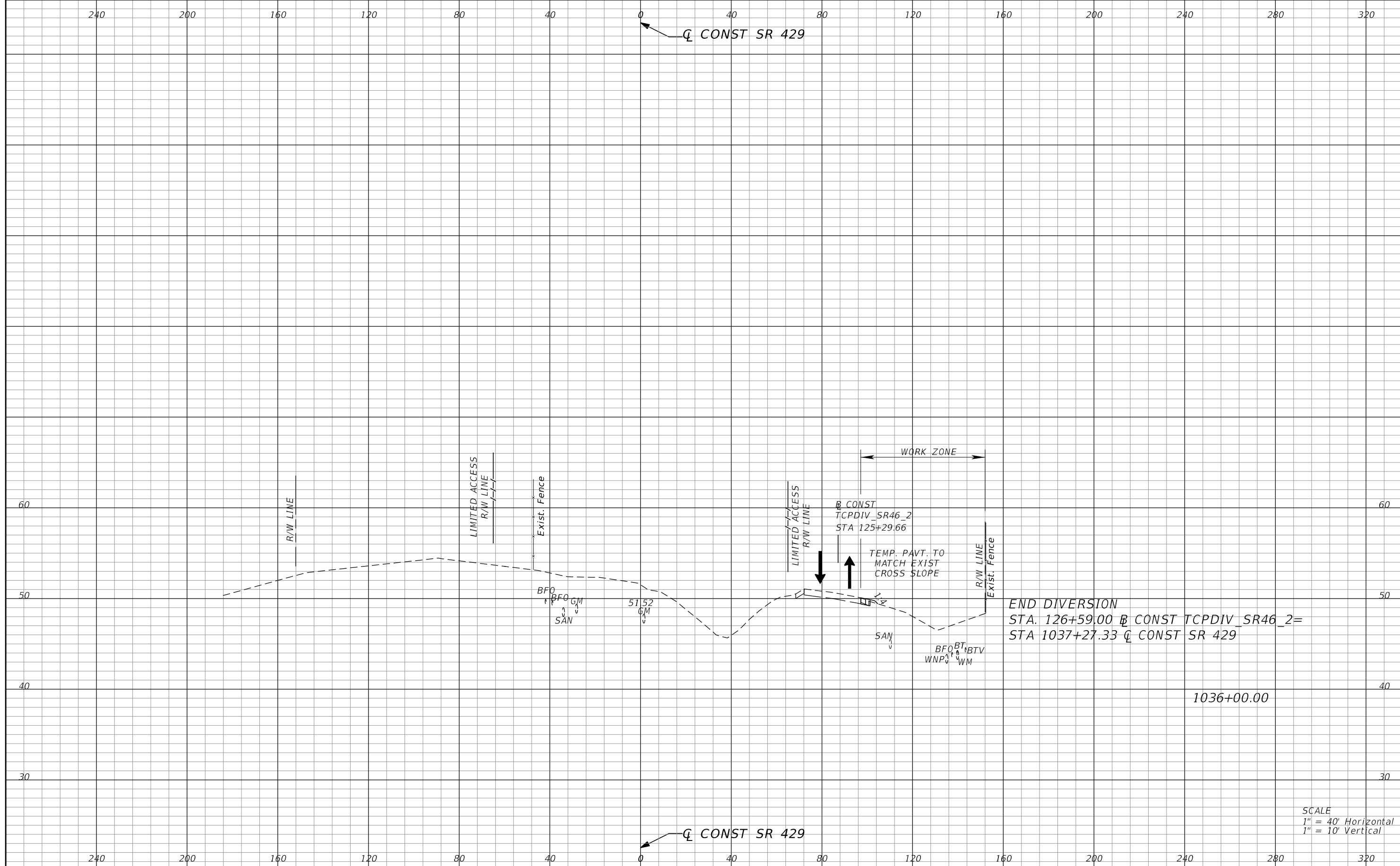
PETER L. OSBORNE
P.E. LICENSE NO. 70392
URS CORPORATION
315 E. ROBINSON STREET, SUITE 245
ORLANDO, FL 32801-1949
PH (407) 422-0353 FAX (407) 423-2695
CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,215

PRELIMINARY: NOT FOR CONSTRUCTION



END DIVERSION
 STA. 126+59.00 @ CONST TCPDIV_SR46_2=
 STA 1037+27.33 @ CONST SR 429

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

**TTCP PHASE 1A STAGE 1
CROSS SECTIONS**

SHEET NO.
1,216

PRELIMINARY: NOT FOR CONSTRUCTION

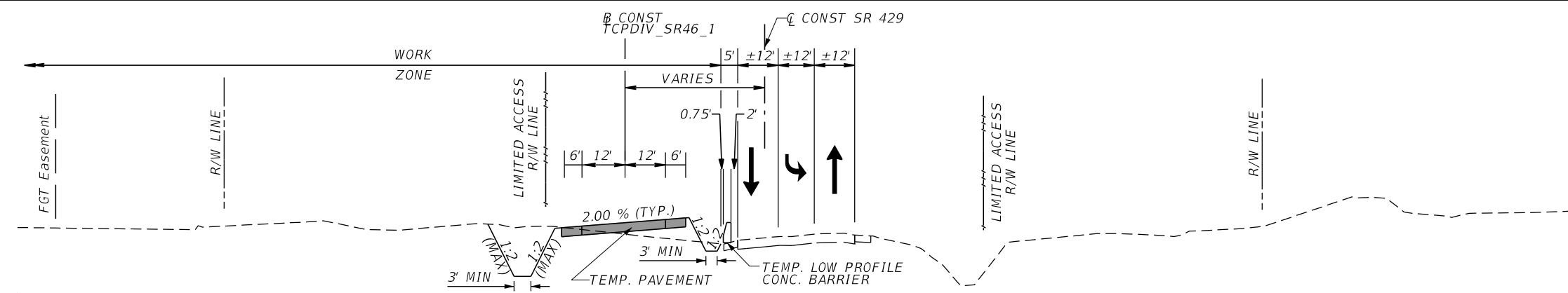
PHASE 1A - STAGE 2

ORANGE AVENUE EXTENSION CONSTRUCTION TO BE COMPLETED CONCURRENTLY WITHIN PHASES 1A STAGE 2 AND 1B. SEE ORANGE AVENUE EXTENSION PHASING NOTES AND TYPICALS FOR MORE INFORMATION.

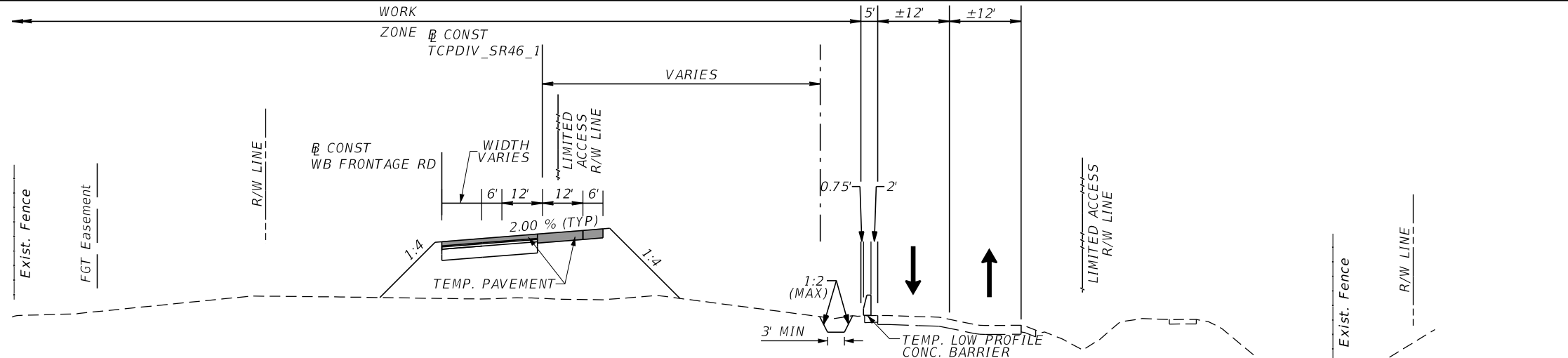
LOCATION OF TRAFFIC	DESCRIPTION	TYP SECTION NO.	CONSTRUCTION LIMITS							
			WB FRONTAGE ROAD		WB MAINLINE		EB MAINLINE		EB FRONTAGE	
			BEGIN	END	BEGIN	END	BEGIN	END	BEGIN	END
TRAFFIC ON EXIST SR 46	CONSTRUCT WB FRONTAGE RD, WB FRONTAGE CONNECTION TO ROUNDABOUT 1, POND WR1 (PARTIAL), WEKIVA PARK DRIVE DIVERSION AND SR 46 DIVERSION 1 (SR 429 STA 928+88 TO STA 954+33), WR SPREADER SWALE, POND WR2 WITH OUTFALLS, JACK AND BORE PIPES UNDER EXISTING SR 46 AND CONSTRUCT ASSOCIATED DRAINAGE AS SHOWN ON PLANS.	1A-1C, 4	3009+46	3029+63						
TRAFFIC ON EXIST OSPREY HAMMOCK AND EXIST SR 46	CONSTRUCT TEMPORARY PAVEMENT ON EAST SIDE OF ROUNDABOUT 1 TO BE UTILIZED IN PHASE 1B AS A DIVERSION FROM OSPREY HAMMOCK TO WB FRONTAGE ROAD.	5								
TRAFFIC ON SR 46 DIVERSION 2 (SR 429 STA. 971+44 TO 1037+27)	BUILD EB FRONTAGE ROAD WITH BELLA FORESTA PL AND ROSS LAKE TIE INS, A PORTION OF RAMP D AND THE SOUTH PORTION OF ROUNDABOUT 3. CONSTRUCT SR 46 DIVERSION 4 FROM EB FRONTAGE RD. STA. 2070+15 TO STA. 2076+37 TO BE UTILIZED IN PHASE 1B AS A TIE IN FROM EB FRONTAGE ROAD TO EXISTING SR 46. CONSTRUCT POND YL1, OUTFALLS AND GRADE TEMPORARY DITCH TO TEMPORARY CROSS DRAIN AS SHOWN IN PLANS. CONSTRUCT ASSOCIATED DRAINAGE AS SHOWN IN PLANS.	2A-2B, 3							2039+50	2074+00
	CONSTRUCT SURCHARGE PER SURCHARGE PLANS.	3								

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP PHASING NOTES PHASE 1A - STAGE 2		SHEET NO.
REVISIONS																								
DATE	DESCRIPTION	DATE	DESCRIPTION																					
ROAD NO.		COUNTY	FINANCIAL PROJECT ID		429	SEMINOLE	240200-2-52-01	1,217																

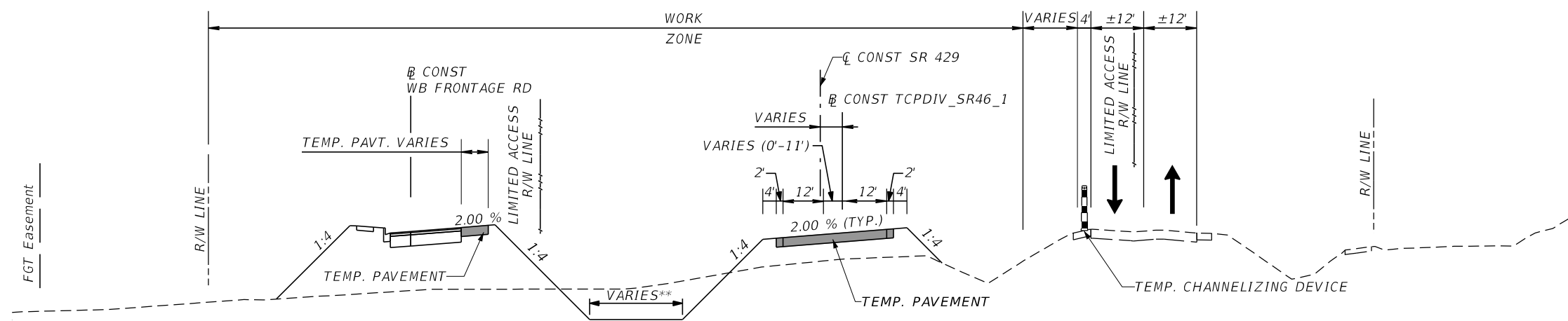
PRELIMINARY: NOT FOR CONSTRUCTION



TYPICAL SECTION 1A - STA. 43+01 TO 52+33 (B CONST TCPDIV_SR46_1)



TYPICAL SECTION 1B - STA. 52+33 TO 61+65 (B CONST TCPDIV_SR46_1)



TYPICAL SECTION 1C - STA. 61+65 TO 68+80 (B CONST TCPDIV_SR46_1)

PHASE 1A (STAGE 2): TYPICAL SECTIONS 1A-1C

DIVERSION ON NORTH SIDE OF EXISTING SR 46 CONNECTION AND WB FRONTAGE ROAD CONSTRUCTION

STA. 43+01 TO 68+80 (B CONST TCPDIV_SR46_1) =

STA. 928+87 TO 954+32 (Q CONST SR 429)

STA. 3009+46 TO STA. 3029+63 (Q CONST WB FRONTAGE ROAD)

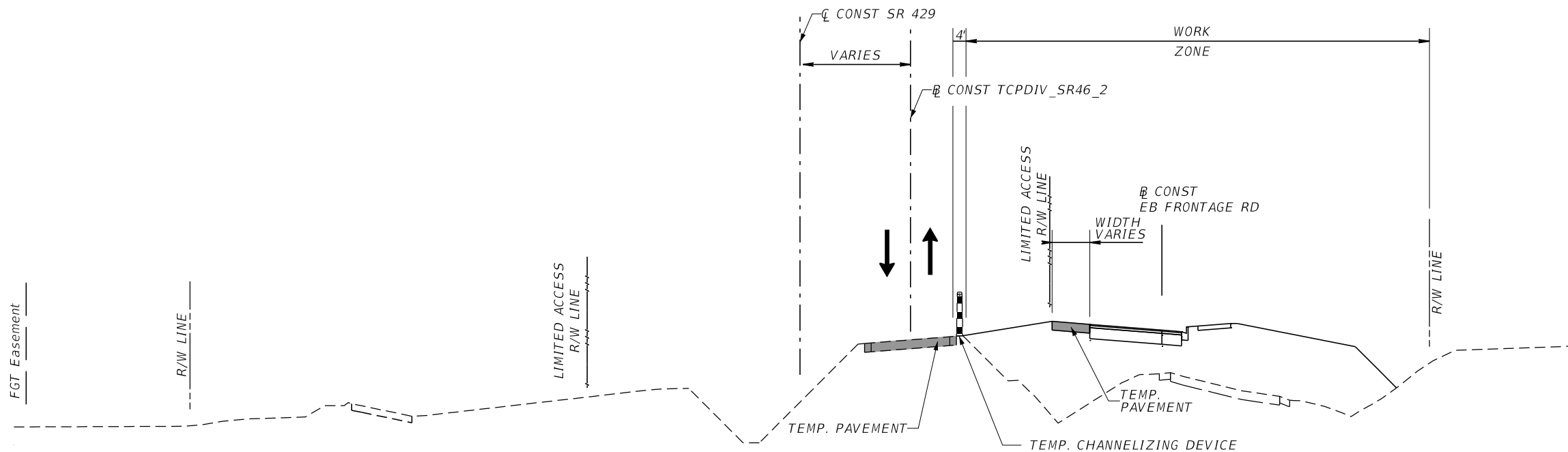
(NTS)

** SEE CROSS SECTIONS AND PLAN SHEETS

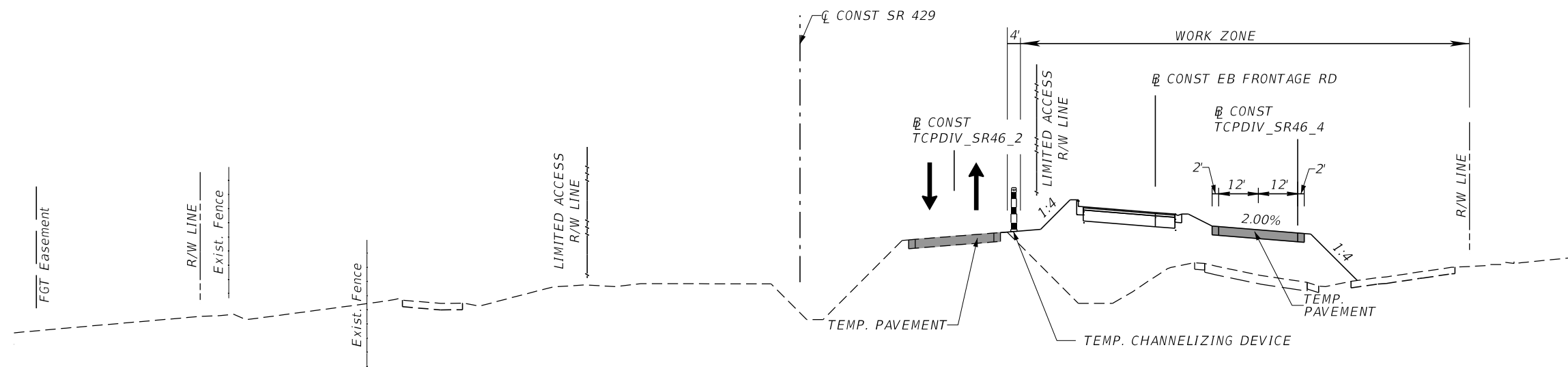
PHASE 1A - STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 1,218
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				429	SEMINOLE	240200-2-52-01	TTCP TYPICAL SECTIONS	

PRELIMINARY: NOT FOR CONSTRUCTION



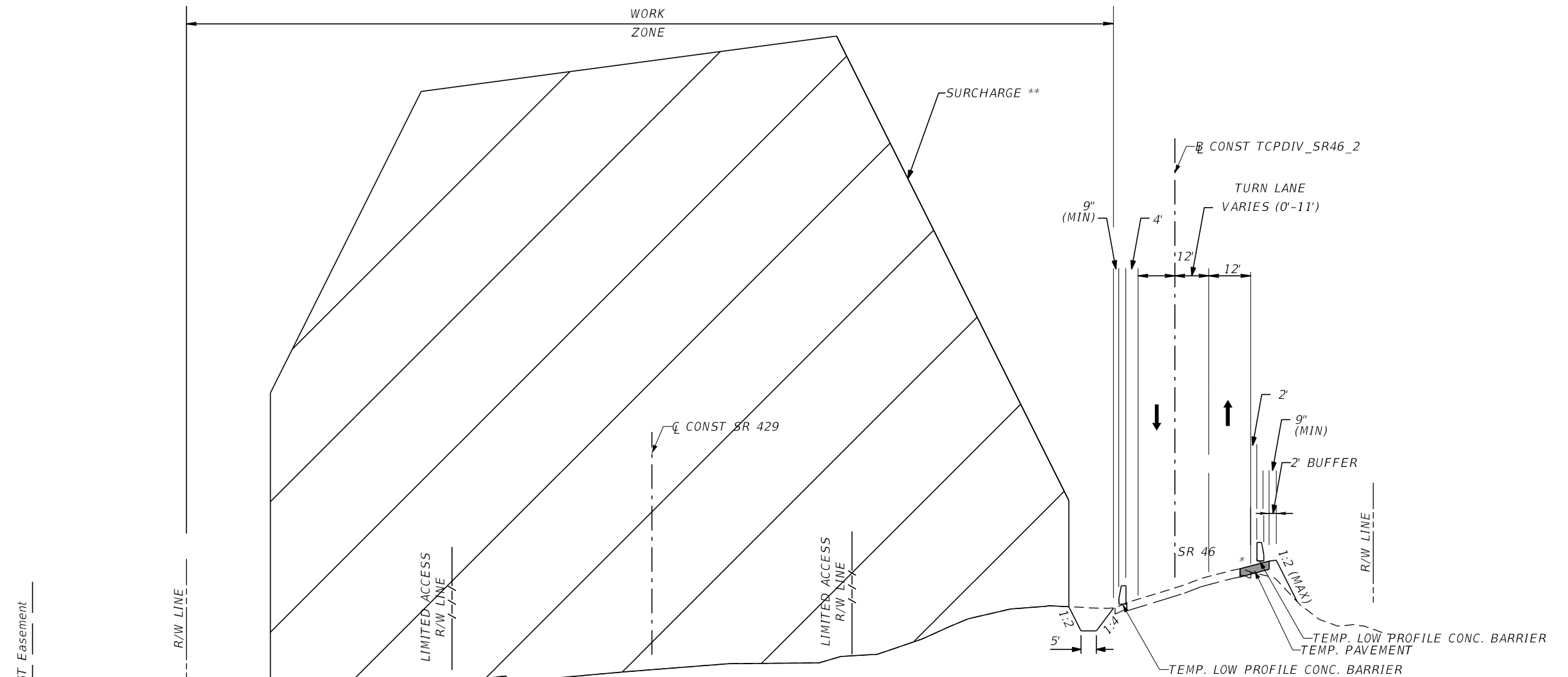
PHASE 1A (STAGE 2): TYPICAL SECTION 2A
 DIVERSION ON NORTH SIDE OF EXIST SR 46
 AND EB FRONTAGE ROAD CONSTRUCTION
 STA. 2039+50 TO 2070+16 (CONST EB FRONTAGE ROAD)
 (NTS)



PHASE 1A (STAGE 2): TYPICAL SECTION 2B
 DIVERSION ON SOUTH SIDE OF
 EB FRONTAGE ROAD CONSTRUCTION
 TO CONNECT TO EXIST SR 46 IN PHASE 1B
 STA. 200+00 TO 206+95 (CONST TCPDIV_SR46_4) =
 STA. 2070+16 TO 2077+14 (CONST EB FRONTAGE ROAD)
 (NTS)

PHASE 1A - STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP TYPICAL SECTIONS	SHEET NO. 1,219
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				429	SEMINOLE	240200-2-52-01			



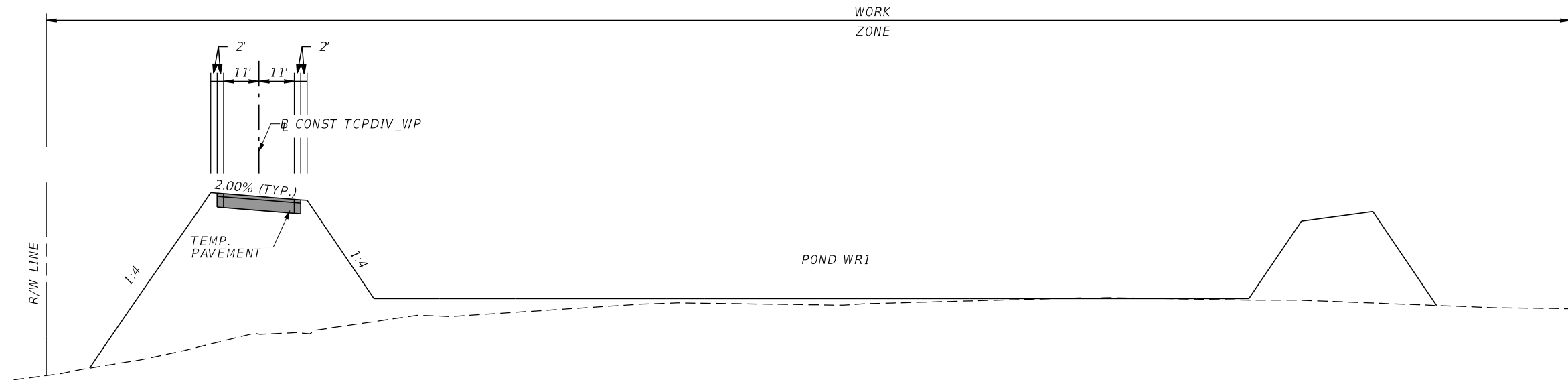
* TEMP PAVT TO MATCH EXISTING CROSS SLOPE
 ** SEE SURCHARGE PLANS FOR ADDITIONAL DETAILS

**PHASE 1A (STAGE 2): TYPICAL SECTION 3
 DIVERSION ON SOUTH SIDE OF EXIST SR 46
 AND SURCHARGE
 STA. 1019+00 TO 1029+00 (Q CONST SR 429)
 (NTS)**

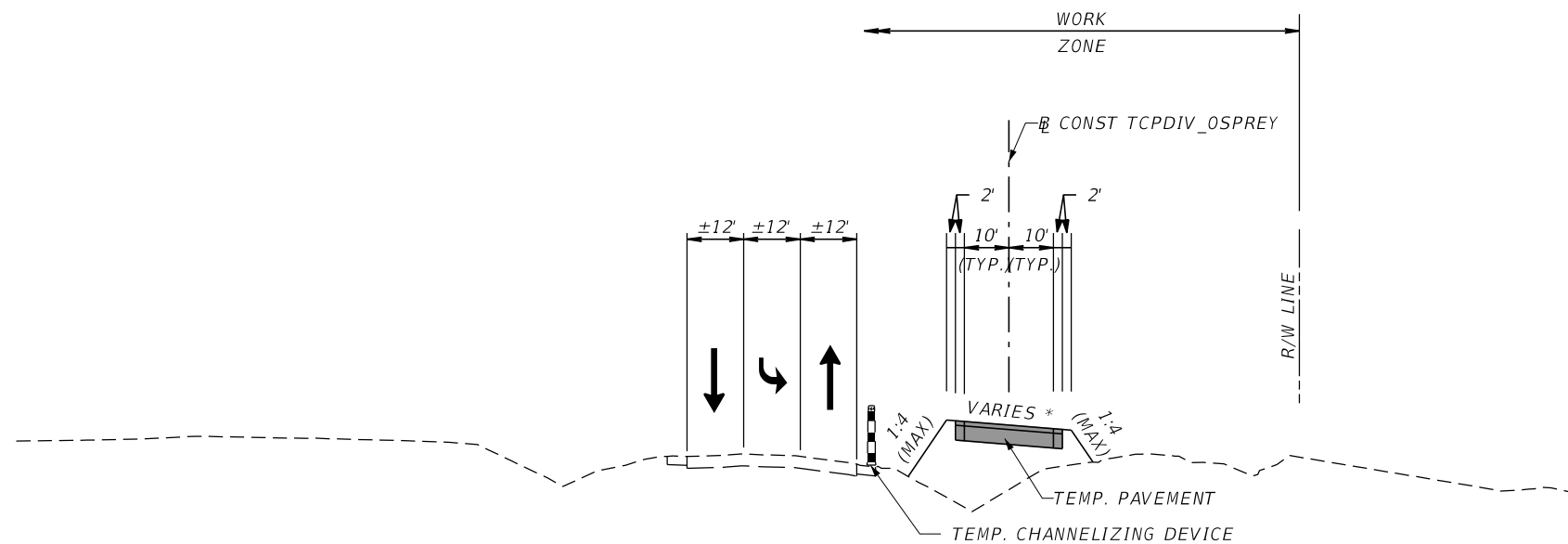
PHASE 1A - STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP TYPICAL SECTIONS	SHEET NO. 1,220
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION



PHASE 1A (STAGE 2): TYPICAL SECTION 4
 CONSTRUCT DIVERSION FOR WEKIVA PARK DRIVE
 STA. 0+00 TO 11+29.84 (CONST TCPDIV_WP)
 (NTS)



PHASE 1A (STAGE 2): TYPICAL SECTION 5
 CONSTRUCT DIVERSION FOR OSPREY HAMMOCK TRAIL
 STA. 100+00 TO 104+29.91 (CONST TCPDIV_OSPREY)
 (NTS)

* SEE PROFILE SHEET FOR CROSS SLOPE DETAILS

PHASE 1A - STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 1,221
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				429	SEMINOLE	240200-2-52-01	TTCP TYPICAL SECTIONS	

(T-200)

STA 929+58.82, 31.56 LT
Q CONST SR 429
CONCRETE DITCH BLOCK
CREST EL 28.00

(T-201)

STA 931+50.00, 90.80 LT
Q CONST SR 429
CROSS DRAIN MES (1:4)
FL 25.00
INDEX 272

(T-202)

STA 932+35.41, 61.89' LT
Q CONST SR 429
SIDE DRAIN MES (1:4)
FL 27.41
INDEX 273

(T-203)

STA 933+25.78, 72.94' LT
Q CONST SR 429
SIDE DRAIN MES (1:4)
FL 33.82
INDEX 273

(T-204)

STA 934+00.00, 66.49' LT
Q CONST SR 429
CROSS DRAIN MES (1:4)
FL 29.20
INDEX 272

(T-205)

STA 934+00.00, 14.95' LT
Q CONST SR 429
DBI TYPE C
FL 32.27
INDEX 200, 201, AND 231

(T-206)

STA 957+49.91, 60.97' RT
Q CONST SR 429
DBI TYPE H
GRATE 52.64
INDEX 232

(T-207)

STA 977+64.00, 56.00' RT
Q CONST SR 429
CROSS DRAIN MES (1:4)
FL 51.18
INDEX 272

(T-208)

STA 1006+97.13, 55.85' RT
Q CONST SR 429
CROSS DRAIN MES (1:2)
FL 41.08
INDEX 272

(T-209)

STA 1007+99.97, 57.82' RT
Q CONST SR 429
CROSS DRAIN MES (1:2)
FL 41.07
INDEX 272

(T-210)

STA 1009+89.93, 64.28' RT
Q CONST SR 429
CROSS DRAIN MES (1:2)
FL 41.20
INDEX 272

(T-211)

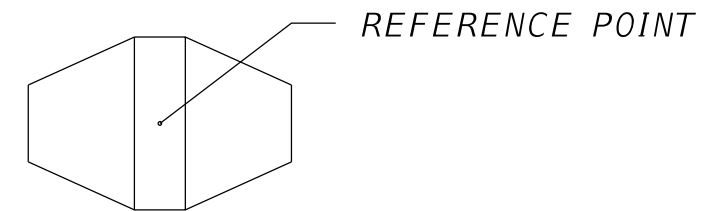
STA 1014+12.89, 117.72' RT
Q CONST SR 429
SIDE DRAIN MES (1:4)
FL 41.60
INDEX 273

(T-212)

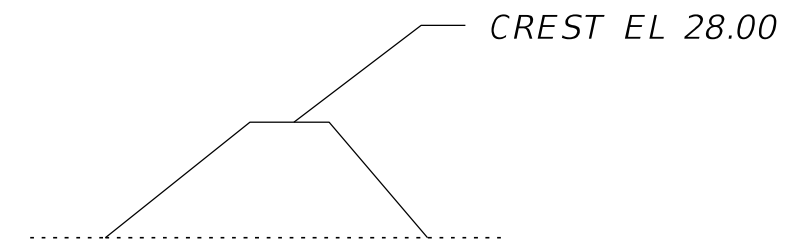
STA 14+86.05, 22.43' RT
Q CONST WEKIVA PARK DR
SIDE DRAIN MES (1:4)
FL 31.37
INDEX 273

(T-213)

STA 15+60.00, 30.00' RT
Q CONST WEKIVA PARK DR
SIDE DRAIN MES (1:4)
FL 31.27
INDEX 273



TOP VIEW
N.T.S.



SECTION VIEW
N.T.S.

(T-200) DITCH BLOCK TYPICAL
N.T.S.

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP- PHASE 1A52 TEMP DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,222
					429	SEMINOLE	240200-2-52-01		

TCPDIV SR46 1

CURVE DATA TCPDIV_SR46_11
 PI STA. = 44+90.31
 Δ = 10° 47' 23" (LT)
 D = 2° 51' 53"
 T = 188.87
 L = 376.63
 R = 2,000.00
 PC STA. = 43+01.44
 PT STA. = 46+78.07

CURVE DATA TCPDIV_SR46_12
 PI STA. = 47+97.03
 Δ = 6° 48' 28" (RT)
 D = 2° 51' 53"
 T = 118.96
 L = 237.64
 R = 2,000.00
 PRC STA. = 46+78.07
 PT STA. = 49+15.70

CURVE DATA TCPDIV_SR46_13
 PI STA. = 57+95.88
 Δ = 7° 27' 27" (RT)
 D = 1° 25' 57"
 T = 260.68
 L = 520.63
 R = 4,000.00
 PC STA. = 55+35.20
 PCC STA. = 60+55.83

CURVE DATA TCPDIV_SR46_14
 PI STA. = 62+46.65
 Δ = 20° 02' 23" (RT)
 D = 5° 18' 19"
 T = 190.82
 L = 377.74
 R = 1,080.00
 PCC STA. = 60+55.83
 PRC STA. = 64+33.57

CURVE DATA TCPDIV_SR46_15
 PI STA. = 66+62.81
 Δ = 23° 58' 05" (LT)
 D = 5° 18' 19"
 T = 229.25
 L = 451.79
 R = 1,080.00
 PRC STA. = 64+33.57
 PT STA. = 68+85.36

TCPDIV WP

CURVE DATA TCPDIV_WP1
 PI STA. = 4+38.94
 Δ = 25° 35' 30" (RT)
 D = 10° 02' 49"
 T = 129.52
 L = 254.72
 R = 570.29
 PC STA. = 3+09.42
 PT STA. = 5+64.14

CURVE DATA TCPDIV_WP2
 PI STA. = 7+20.12
 Δ = 63° 55' 18" (RT)
 D = 22° 55' 06"
 T = 155.98
 L = 278.91
 R = 250.00
 PC STA. = 5+64.14
 PT STA. = 8+43.06

TCPDIV OSPREY

CURVE DATA TCPDIV OSPREY1
 PI STA. = 100+66.59
 Δ = 95° 57' 34" (RT)
 D = 95° 29' 35"
 T = 66.59
 L = 100.49
 R = 60.00
 PC STA. = 100+00.00
 PT STA. = 101+00.49

CURVE DATA TCPDIV OSPREY2
 PI STA. = 102+73.33
 Δ = 76° 12' 42" (LT)
 D = 57° 17' 45"
 T = 78.43
 L = 133.01
 R = 100.00
 PC STA. = 101+94.90
 PT STA. = 103+27.91

TCPDIV SR46 2 - CONSTRUCTED IN PHASE 1A STAGE 1

CURVE DATA TCPDIV_SR46_21
 PI STA. = 61+09.86
 Δ = 11° 37' 01" (LT)
 D = 5° 18' 19"
 T = 109.86
 L = 218.98
 R = 1,080.00
 PC STA. = 60+00.00
 PT STA. = 62+18.98

CURVE DATA TCPDIV_SR46_22
 PI STA. = 65+91.41
 Δ = 11° 39' 17" (RT)
 D = 5° 18' 19"
 T = 110.22
 L = 219.68
 R = 1,080.00
 PC STA. = 64+81.19
 PT STA. = 67+00.87

CURVE DATA TCPDIV_SR46_23
 PI STA. = 90+61.68
 Δ = 8° 58' 03" (RT)
 D = 2° 17' 31"
 T = 196.04
 L = 391.28
 R = 2,500.00
 PC STA. = 88+65.64
 PT STA. = 92+56.92

CURVE DATA TCPDIV_SR46_24
 PI STA. = 97+48.85
 Δ = 9° 47' 31" (RT)
 D = 2° 17' 31"
 T = 214.15
 L = 427.26
 R = 2,500.00
 PC STA. = 95+34.70
 PCC STA. = 99+61.95

CURVE DATA TCPDIV_SR46_25
 PI STA. = 102+42.85
 Δ = 17° 44' 22" (RT)
 D = 3° 10' 59"
 T = 280.90
 L = 557.30
 R = 1,800.00
 PCC STA. = 99+61.95
 PRC STA. = 105+19.25

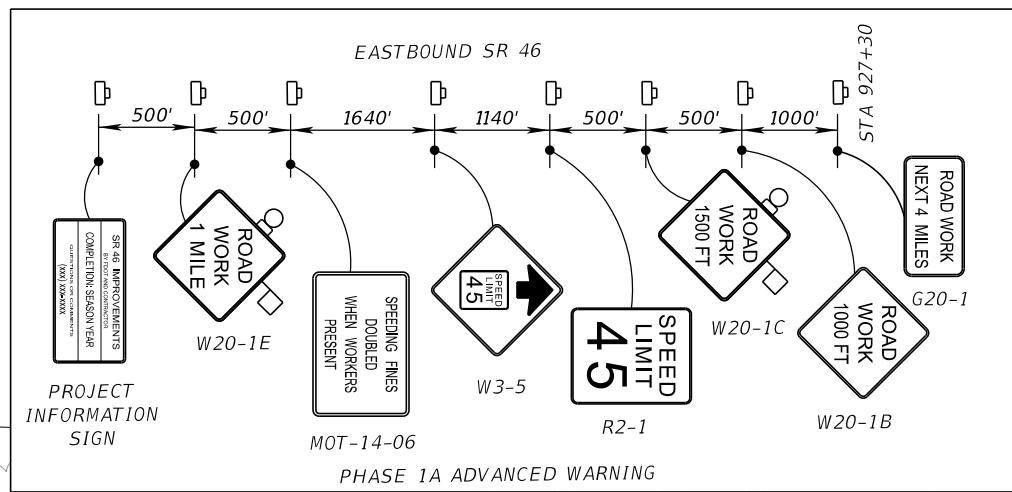
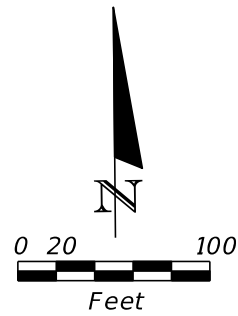
CURVE DATA TCPDIV_SR46_26
 PI STA. = 108+29.69
 Δ = 23° 14' 07" (LT)
 D = 3° 47' 40"
 T = 310.44
 L = 612.35
 R = 1,510.00
 PRC STA. = 105+19.25
 PT STA. = 111+31.60

CURVE DATA TCPDIV_SR46_27
 PI STA. = 116+19.81
 Δ = 14° 07' 30" (LT)
 D = 1° 44' 10"
 T = 408.84
 L = 813.54
 R = 3,300.00
 PC STA. = 112+10.97
 PT STA. = 120+24.50

TCPDIV SR46 4

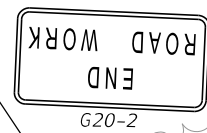
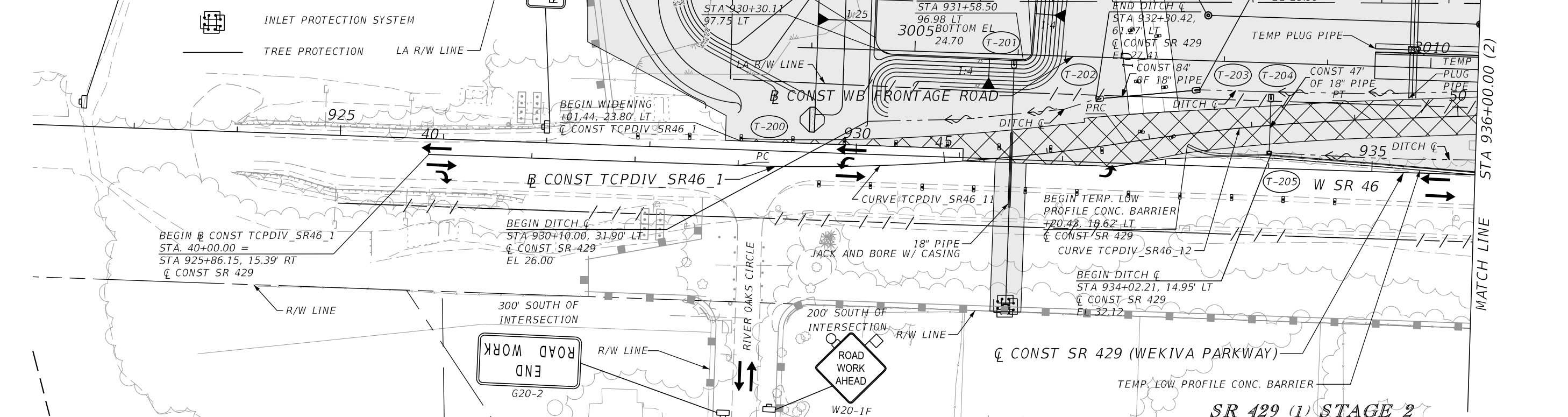
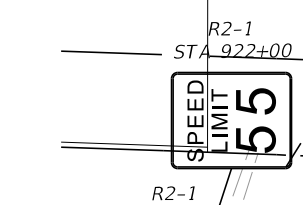
CURVE DATA TCPDIV_SR46_41
 PI STA. = 200+90.41
 Δ = 7° 23' 24" (RT)
 D = 4° 05' 33"
 T = 90.41
 L = 180.57
 R = 1,400.00
 PC STA. = 200+00.00
 PT STA. = 201+80.57

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CURVE DATA SHEET PHASE 1A - STAGE 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		1,223



LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-
- WORK ZONE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- SEDIMENT BARRIER
- RUNOFF CONTROL STRUCTURE
- INLET PROTECTION SYSTEM
- TREE PROTECTION



REVISIONS	
DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002











STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

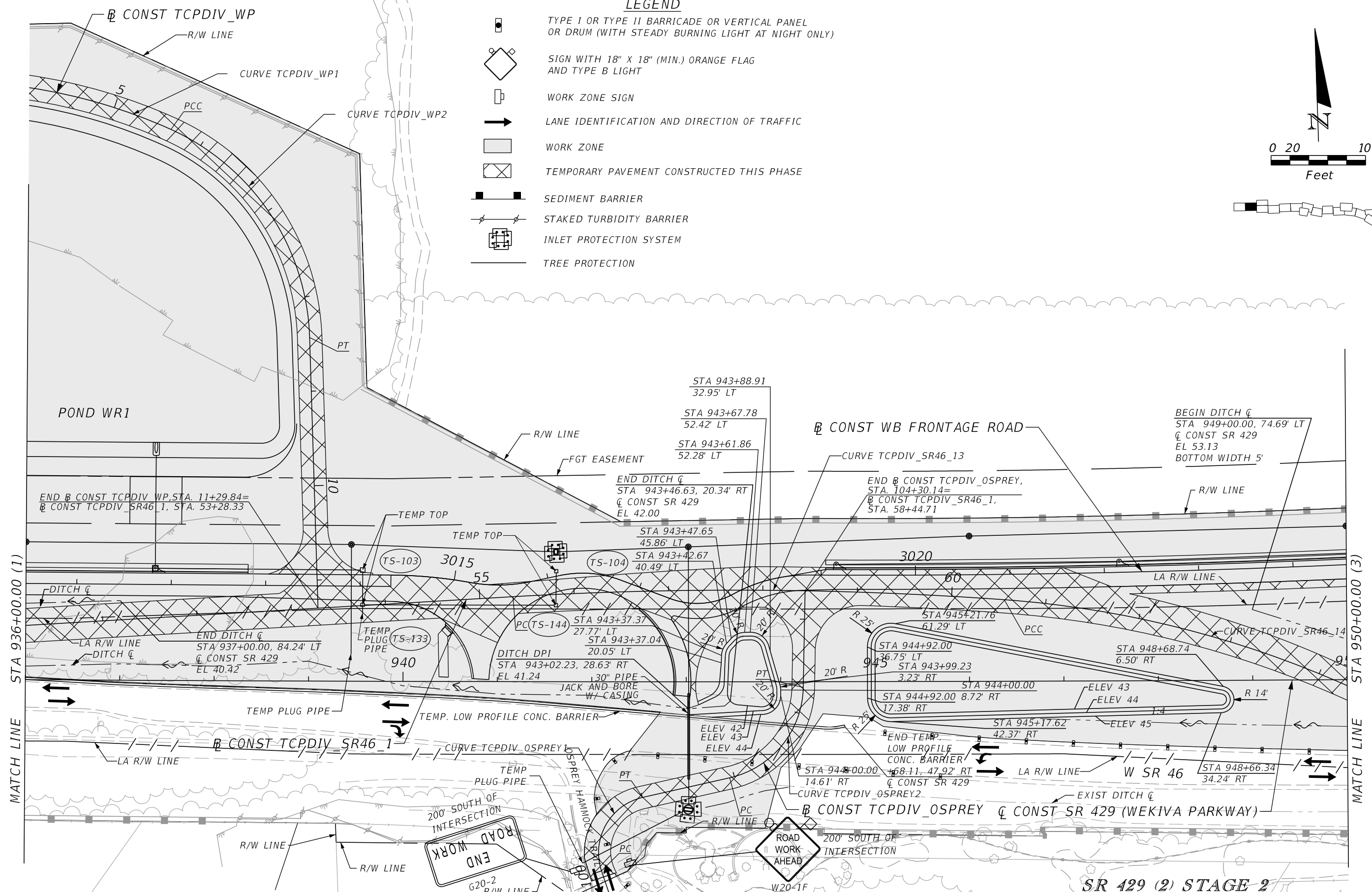
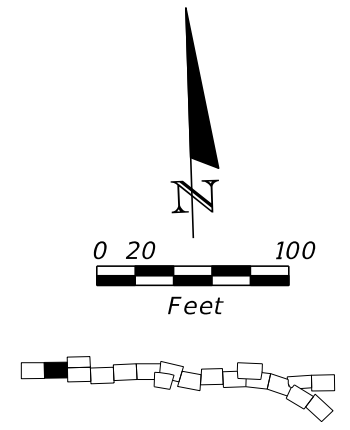
TTCP - PHASE 1A
STA 922+00 TO 936+00

SHEET NO.
1,224

PRELIMINARY: NOT FOR CONSTRUCTION

LEGEND

-  TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
-  SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
-  WORK ZONE SIGN
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  WORK ZONE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  SEDIMENT BARRIER
-  STAKED TURBIDITY BARRIER
-  INLET PROTECTION SYSTEM
-  TREE PROTECTION



MATCH LINE STA 936+00.00 (1)

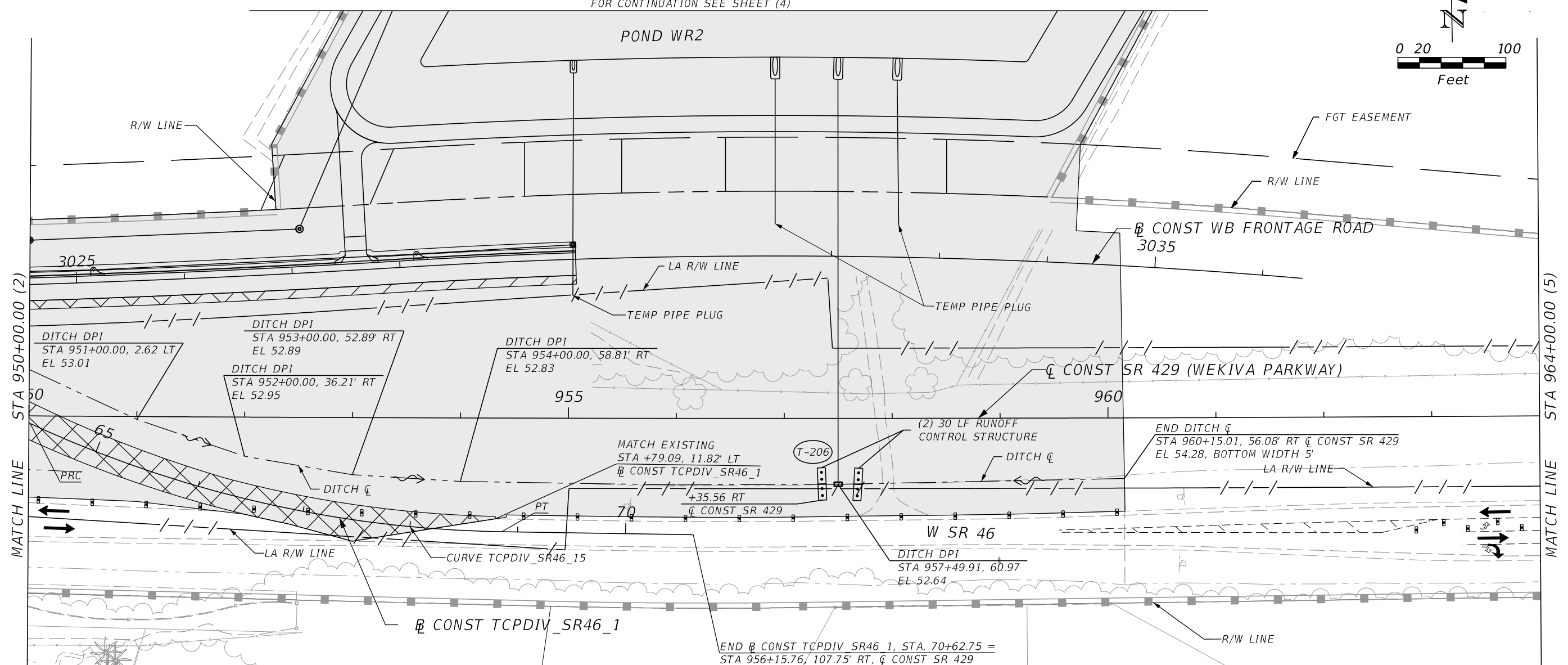
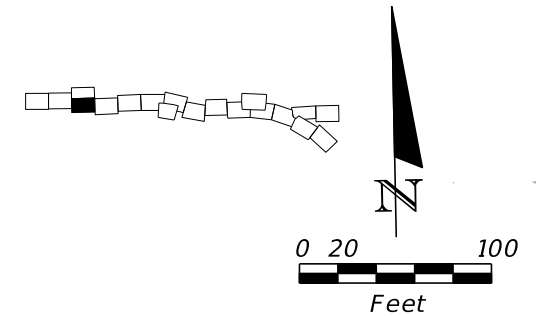
MATCH LINE STA 950+00.00 (3)

SR 429 (2) STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 936+00 TO STA 950+00	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,225
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

FOR CONTINUATION SEE SHEET (4)



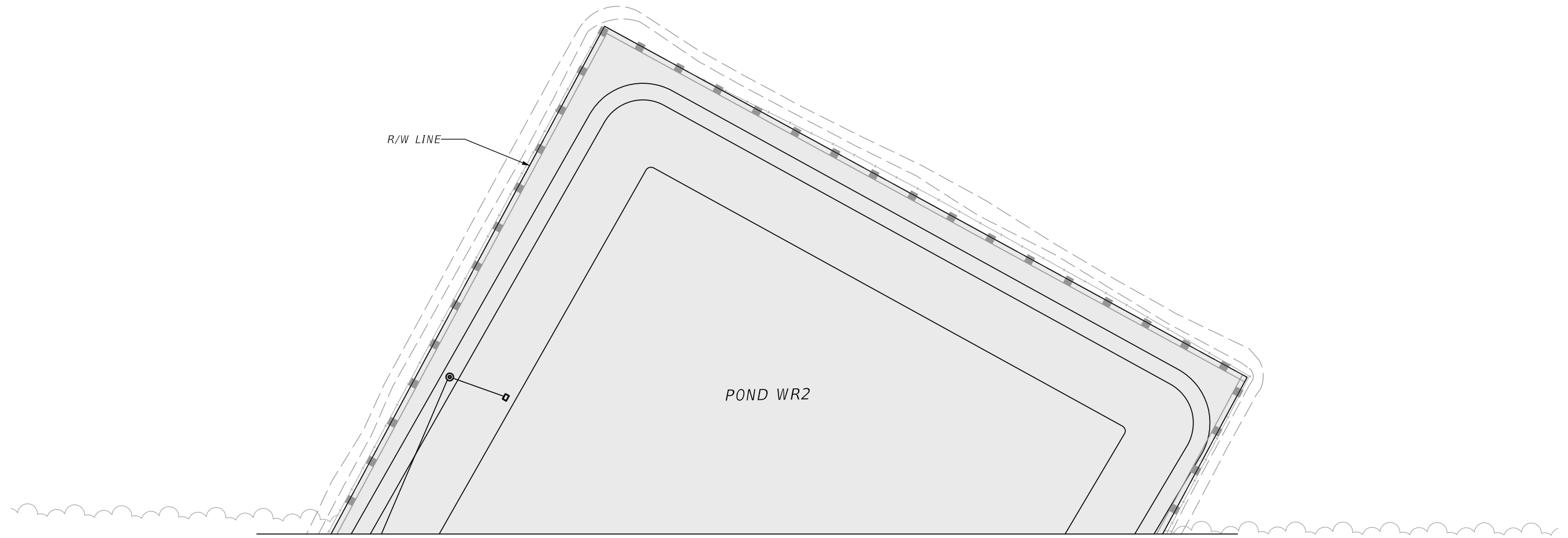
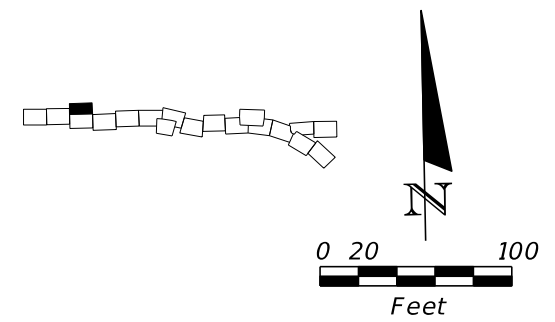
LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- WORK ZONE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- SEDIMENT BARRIER
- RUNOFF CONTROL STRUCTURE
- TREE PROTECTION

SR 429 (3) STAGE 2

REVISIONS		PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		TTCP - PHASE 1A STA 950+00 TO STA 964+00	SHEET NO. 1,226
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY		
				429	SEMINOLE	240200-2-52-01	

PRELIMINARY: NOT FOR CONSTRUCTION



FOR CONTINUATION SEE SHEET (3)

LEGEND






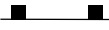


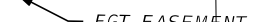
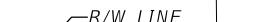
- WORK ZONE
- SEDIMENT BARRIER
- TREE PROTECTION

POND WR2 (4) STAGE 2

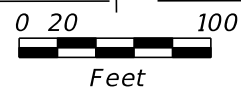
REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A POND WR2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		1,227
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

LEGEND

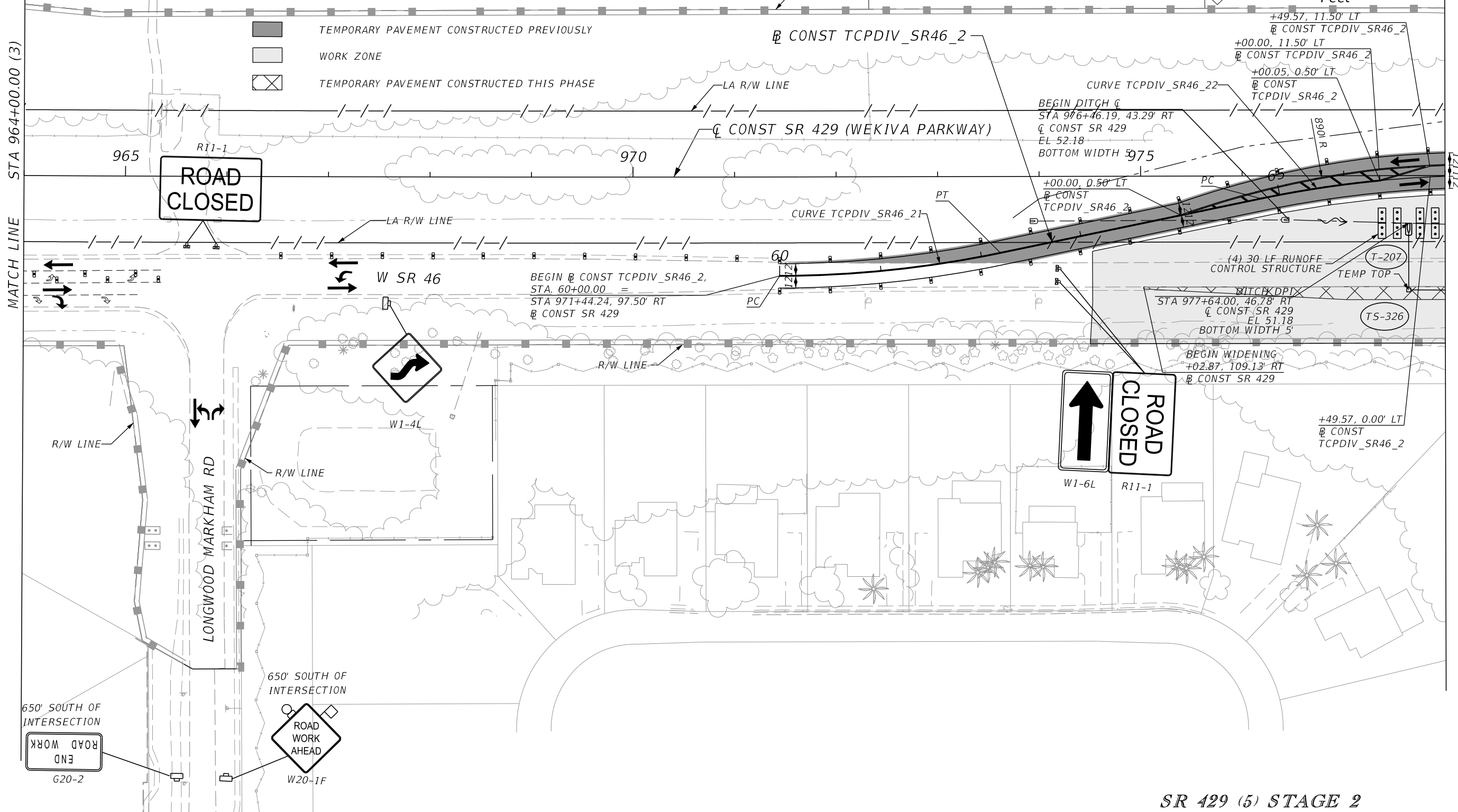
-  TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
-  SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
-  WORK ZONE SIGN
-  TYPE III BARRICADE (WITH FLASHING LIGHT)
-  LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
-  SEDIMENT BARRIER
-  RUNOFF CONTROL STRUCTURE
-  TREE PROTECTION
-  FGT EASEMENT
-  R/W LINE

-  TEMPORARY PAVEMENT CONSTRUCTED PREVIOUSLY
-  WORK ZONE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE



MATCH LINE STA 964+00.00 (3)

MATCH LINE STA 978+00.00 (6)

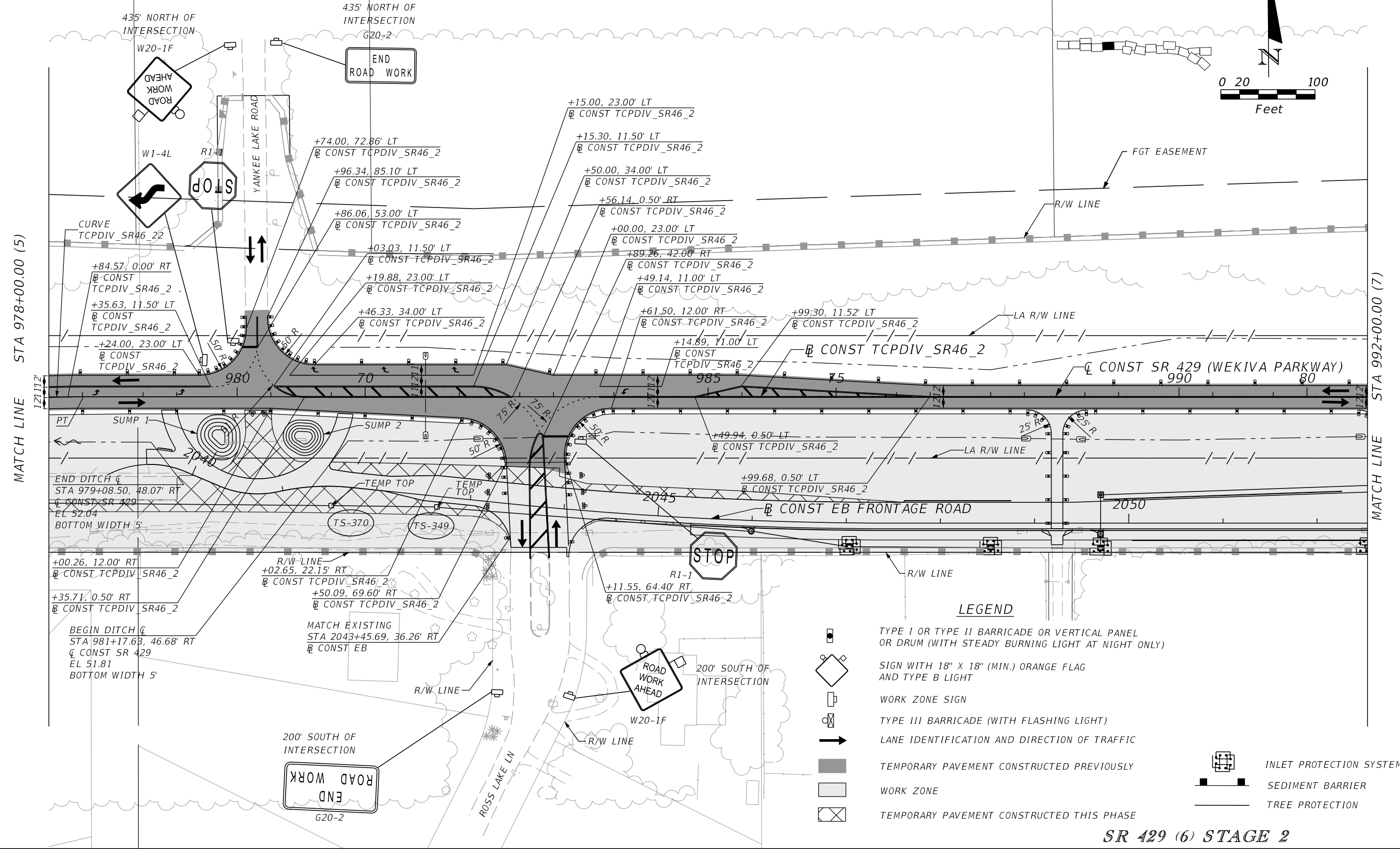
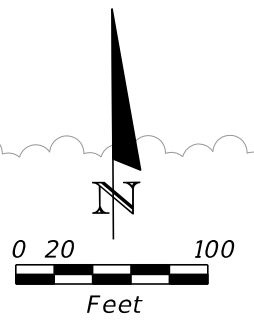


SR 429 (5) STAGE 2

REVISIONS				PETER L. OSBORNE P.E. LICENSE NO. 70392 URS CORPORATION 315 E. ROBINSON STREET, SUITE 245 ORLANDO, FL 32801-1949 PH (407) 422-0353 FAX (407) 423-2695 CERTIFICATE OF AUTHORIZATION NO. 000002	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TTCP - PHASE 1A STA 964+00 TO STA 978+00	SHEET NO. 1,228
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					429	SEMINOLE	240200-2-52-01		

PRELIMINARY: NOT FOR CONSTRUCTION

NOTE: SUMPS 1 & 2
 TOP EL. 56.00
 BOTTOM EL. 52.00
 1:4 SIDE SLOPE



LEGEND

- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- WORK ZONE SIGN
- TYPE III BARRICADE (WITH FLASHING LIGHT)
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT CONSTRUCTED PREVIOUSLY
- WORK ZONE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- INLET PROTECTION SYSTEM
- SEDIMENT BARRIER
- TREE PROTECTION

SR 429 (6) STAGE 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PETER L. OSBORNE
 P.E. LICENSE NO. 70392
 URS CORPORATION
 315 E. ROBINSON STREET, SUITE 245
 ORLANDO, FL 32801-1949
 PH (407) 422-0353 FAX (407) 423-2695
 CERTIFICATE OF AUTHORIZATION NO. 000002

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
429	SEMINOLE	240200-2-52-01

TTCP - PHASE 1A
STA 978+00 TO STA 992+00

SHEET NO.
1,229

PRELIMINARY: NOT FOR CONSTRUCTION