

# CONSTRUCTION DOCUMENTS

## FOR Selena Road Roadway Project

PREPARED FOR



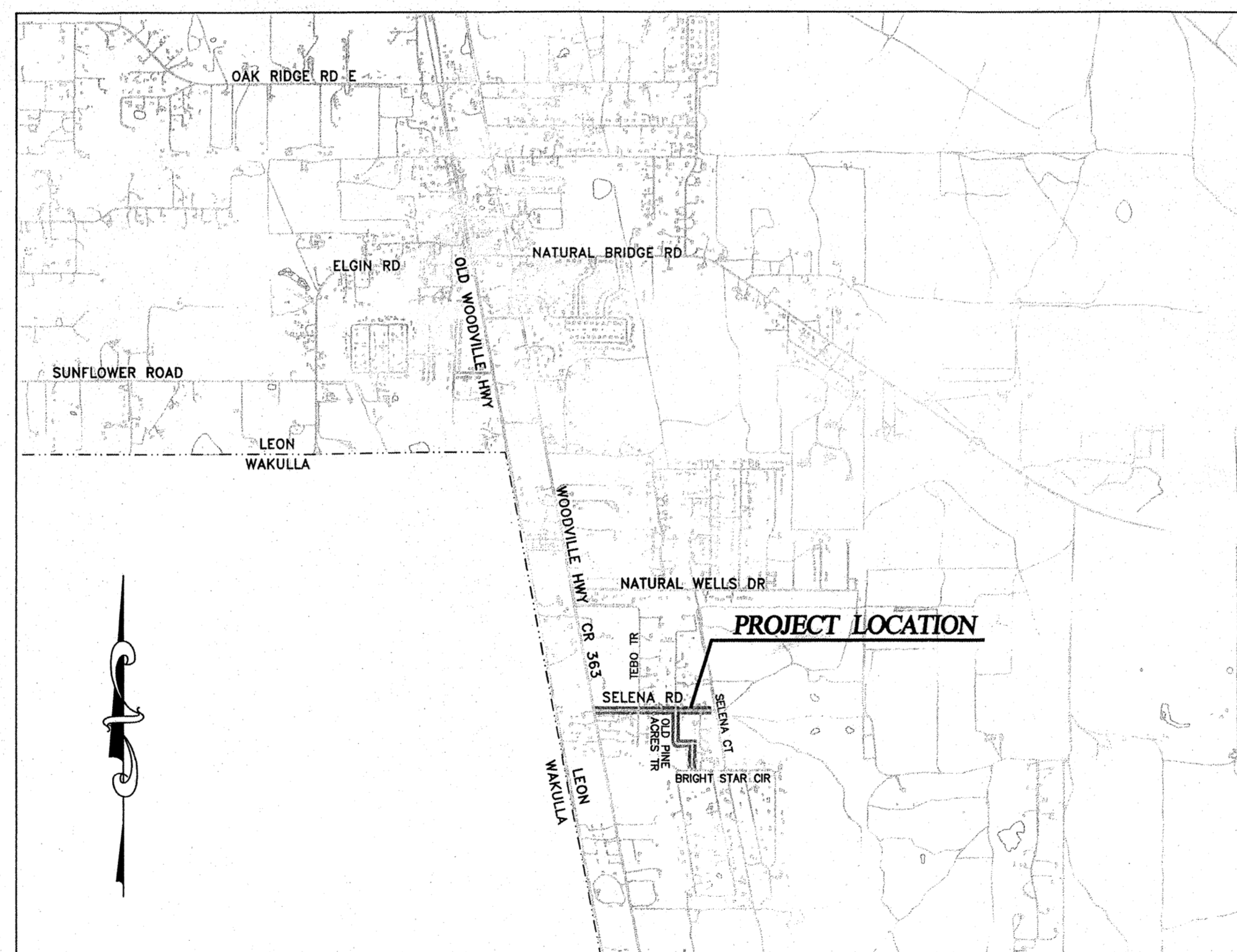
**LEON COUNTY  
PUBLIC WORKS**  
2280 Miccosukee Road  
Tallahassee, FL 32308  
Ph: 850-606-1500 Fax: 850-606-1501

### GENERAL NOTES

- ELEVATIONS WITHIN THE ROADWAY RIGHT-OF-WAY SHOWN ON THESE PLANS ARE BASED ON A FIELD SURVEY BY HSA CONSULTING GROUP INC. DATED DECEMBER 15, 2010. ALL OTHER ELEVATIONS BASED OFF LIDAR.
- SURVEY DATUM-NAVD 1988.
- ALL ROADWAY AND DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2010, DIVISIONS II AND III.
- ALL FDOT INDEX NUMBERS REFER TO THE 2010 EDITION OF THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM.
- AT THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL DESIGNATE A REPRESENTATIVE WHO IS CERTIFIED IN EROSION AND SEDIMENTATION CONTROL AND SHALL BE CAPABLE OF BEING REACHED 24 HOURS A DAY, 7 DAYS A WEEK.
- THE CONTRACTOR WILL DESIGNATE A STORMWATER MANAGEMENT CONTROL OFFICER PRIOR TO THE PRECONSTRUCTION MEETING, AND WILL INFORM THE ENVIRONMENTAL INSPECTOR.
- EXISTING UTILITIES HAVE BEEN LOCATED USING THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL (1-800-432-4770), 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- HORIZONTAL AND VERTICAL CONTROL SHALL BE PROVIDED FOR THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE SODDED.
- THE CONTRACTOR SHALL SUBMIT A POST-CONSTRUCTION CERTIFICATION AND REPRODUCIBLE RECORD DRAWINGS TO THE ENGINEER PRIOR TO INSPECTION AND ACCEPTANCE. THE RECORD DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A PROFESSIONAL LAND SURVEYOR.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE LEON COUNTY ENVIRONMENTAL MANAGEMENT PERMIT.
- THE CONTRACTOR SHALL NOT SUBSTITUTE ANY ARTICLE, DEVICE, PRODUCT, MATERIAL OR FIXTURE, OR ANY FORM OR TYPE OF CONSTRUCTION, FOR THAT WHICH IS INDICATED IN THE APPROVED PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF THE COUNTY ENGINEER OR THE COUNTY ENGINEER'S DESIGNATED FIELD REPRESENTATIVE.
- AT LEAST FOURTEEN CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE THE CONTRACTOR SHALL SUBMIT A TENTATIVE BASE CONSTRUCTION SCHEDULE, TRAFFIC CONTROL PLAN, AND STAGING AREA PLAN TO THE ENGINEER AND LEON COUNTY PUBLIC WORKS FOR APPROVAL. NO WORK WILL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, TRAFFIC PLAN, AND STAGING AREA PLAN. IF THE STAGING AREA PLAN REQUIRES OFF-SITE STAGING THE CONTRACTOR WILL BE REQUIRED TO OBTAIN ANY ADDITIONAL PERMITS THAT MAY BE NEEDED.
- CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY DISPOSING OF ANY EXCAVATED MATERIAL IN ACCORDANCE WITH COUNTY STANDARDS.
- A DISPOSAL SITE SHALL BE SUBMITTED BY THE CONTRACTOR AT OR PRIOR TO THE PRECONSTRUCTION MEETING, TO BE APPROVED BY THE ENVIRONMENTAL INSPECTOR. NO WORK WILL BEGIN PRIOR TO APPROVAL OF THE DISPOSAL SITE BY THE COUNTY ENGINEER, OR THE COUNTY ENGINEER'S DESIGNATED FIELD REPRESENTATIVE, AND THE ENVIRONMENTAL INSPECTOR.
- LEON COUNTY PUBLIC WORKS OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR SUBMITTING NOTICE OF CONSTRUCTION COMMENCEMENT AT THE PRE CONSTRUCTION MEETING, MONITORING DURING CONSTRUCTION, AND SUBMITTING AS-BUILT CERTIFICATIONS FOR THE PROJECT ONCE COMPLETED.
- IF DURING CONSTRUCTION OF THE DITCH SYSTEM, A STRUCTURAL FAILURE IS OBSERVED THAT HAS THE POTENTIAL TO CAUSE THE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDIAN AQUIFER SYSTEM, THE SITE SUPERINTENDENT AND LEON COUNTY PUBLIC WORKS DEPARTMENT SHALL BE INFORMED IMMEDIATELY. THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND LEON COUNTY GROWTH & ENVIRONMENTAL COMPLIANCE DIVISION SHALL BE NOTIFIED WITHIN 48 HOURS AND CORRECTIVE ACTIONS DESIGNED OR APPROVED BY REGISTERED PROFESSIONALS WITH QUALIFICATIONS IN HYDROGEOLOGY AND ENGINEERING, SPECIFIC TO THE SITE AND TO THE FAILURE OBSERVED, SHALL BE TAKEN AS SOON AS PRACTICAL TO CORRECT THE FAILURE.
  - IMMEDIATE ACTION UPON THE DISCOVERY OF THE FAILURE SHALL INCLUDE (BUT NOT BE LIMITED TO):
  - CEASE CONSTRUCTION ACTIVITIES WITHIN 100 FEET OF THE FAILURE AREA;
  - ISOLATE, IDENTIFY AND SECURING THE FAILURE AREA WITH BARRIER FENCING AND/OR WARNING RIBBON (OR BY OTHER APPROPRIATE MEANS);
  - INITIATE WRITTEN AND PHOTOGRAPHIC DOCUMENTATION;
  - COMPLY WITH VERBAL INSTRUCTIONS FROM LEON COUNTY PUBLIC WORKS DEPARTMENT REPRESENTATIVE;
  - A REPORT WITH DETAILED SINKHOLE EVALUATION AND REPAIR PLAN PREPARED BY A PROFESSIONAL GEOLOGIST OR A PROFESSIONAL GEOTECHNICAL ENGINEER WITH QUALIFICATIONS IN HYDROGEOLOGY AND ENGINEERING MUST BE PROVIDED BY LEON COUNTY PUBLIC WORKS AS SOON AS PRACTICAL TO THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT FOR REVIEW AND APPROVAL. THE REPORT MUST DEMONSTRATE REASONABLE ASSURANCE THAT THE BREACH OR FAILURE WILL BE PERMANENTLY CORRECTED IN COMPLIANCE WITH THE PERMIT.

### SHEET INDEX

DESCRIPTION	SHEET NO.
COVER SHEET	1
KEY MAP	2
PLAN AND PROFILE	3-9
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CONSTRUCTION DETAILS AND TYPICAL SECTION	13



LOCATION MAP  
N.T.S.

PREPARED BY:

# ATKINS

2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800  
FBPR Certificate of Authorization No. 24

JUNE 15, 2011

APPLICANT'S COPY

**APPROVED**  
APPROVED *[Signature]*  
PERMIT # LEM11-00037  
DATE 06-14-2011  
 Special Conditions Exist For This Permit. Refer to Exhibit #: SEE ATTACHMENT A  
c115

SURVEYOR OF RECORD:

John E. Matthews, PLS  
HSA Consulting Group, Inc.  
1648 Metropolitan Circle, Suite A  
Tallahassee FL, 32308  
Phone: 850.309.7510

ENGINEER OF RECORD:

ATKINS  
WILLIAM K. JOHNSON  
P.E. NO. 41040

*[Signature]* 6/15/11

SELENA ROAD 100018237

EXHIBIT A

RECEIVED  
JUN 15 2011  
Planning & Environmental Management

SHEET 3 PLAN & PROFILE

SHEET 4 PLAN & PROFILE

SHEET 5 PLAN & PROFILE

SHEET 6 PLAN & PROFILE

SHEET 7 PLAN & PROFILE

SHEET 8 PLAN & PROFILE

SHEET 9 PLAN & PROFILE

LEGEND

- FEMA FLOOD ZONE A
- ATKINS ESTIMATED 100YR FLOODPLAIN (ELEVATIONS AS SHOWN)
- C/L - CENTERLINE
- R/W - RIGHT OF WAY
- P/L - PROPERTY LINE
- P.O.B. - POINT OF BEGINNING
- P.O.C. - POINT OF COMMENCEMENT
- P.C. - POINT OF CURVATURE
- P.C.C. - POINT OF COMPOUND CURVATURE
- P.T. - POINT OF TANGENCY
- O.R.B. - OFFICIAL RECORDS BOOK
- P.B. - PLAT BOOK
- PG - PAGE
- PIN - PARCEL IDENTIFICATION NUMBER
- TWN - TOWNSHIP
- RNG - RANGE
- PCP - PERMANENT CONTROL POINT
- PRM - PERMANENT REFERENCE MONUMENT
- NO ID - NO IDENTIFICATION
- CH - CHORD
- R - RADIUS
- T - TANGENT
- L - ARC LENGTH
- Δ - CENTRAL ANGLE
- (C) - CALCULATED
- (S) - SURVEY
- (P) - PLAT
- (D) - DEED
- TM - TEMPORARY BENCH MARK
- BM - BENCH MARK
- FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
- PIN - PARCEL IDENTIFICATION NUMBER
- CE - CONSERVATION EASEMENT
- SR-1 - BORING LOCATIONS
- ▽ - ESTIMATED "NORMAL" SEASONAL HIGH GROUNDWATER (AS SHOWN ON EGS' GEOTECH REPORT)
- - WELL EXISTING POTABLE WATER WELL

- TREE LEGEND:**
- L.O. - LIVE OAK
  - W.O. - WATER OAK
  - B.O. - BLACK OAK
  - R.O. - RED OAK
  - C - CEDAR
  - HC - HICKORY
  - CHB - CHINA BERRY
  - H - HOLLY
  - M - MAPLE
  - P - PINE
  - CH - CHERRY
  - CRP.MYR. - CREPE MYRTLE
  - DW - DOGWOOD
  - MAG - MAGNOLIA
  - SP.P. - SPRUCE PINE
  - BW - BASSWOOD
  - ORNTREE - ORNAMENTAL TREE
  - HB - HACKBERRY
  - LR.O. - LAUREL OAK
  - PE - PECAN
  - A - ASH
  - M - MIMOSA
  - G - GUM
  - TW - TWIN
  - UNK or T - UNKNOWN TREE
  - R.O. - RED OAK
  - SH.O. - SHUMAR OAK
  - W.O. - WHITE OAK
  - O.PLANT - ORNAMENTAL PLANT

CONSTRUCTION SEQUENCE:

1. SCHEDULE AND CONDUCT A PRECONSTRUCTION MEETING W/ GROWTH MANAGEMENT DEPARTMENT ENVIRONMENTAL INSPECTOR. THE ENVIRONMENTAL PERMIT SHALL BE POSTED AT THE JOB SITE IN A CONSPICUOUS PLACE.
2. INSTALL TREE BARRICADES WHERE SHOWN, AND SILT FENCES ALONG ENTIRE PROJECT.
3. CLEAR AND GRUB SITE. THE CLEARING LIMITS ARE THE ENTIRE RIGHT OF WAY WITH THE EXCEPTION OF ALL EXISTING TREES AS SHOWN ON THE PLANS.
4. THE CONTRACTOR SHALL CONDUCT ADDITIONAL INVESTIGATIONS TO DETERMINE THE DEPTH TO THE LIMEROCK. IN AREAS WHERE THE LIMEROCK WILL BE 3 FEET OR MORE BELOW THE PROPOSED DITCH BOTTOM, NO ADDITIONAL ACTION WILL BE NEEDED. IN AREAS WHERE THE LIMEROCK IS LESS THAN 3 FEET DEEP, THE TOP 1 FOOT BELOW THE DITCH BOTTOM WILL BE OVER EXCAVATED, AND BLENDED TO BE A HOMOGENOUS BLEND OF THE EXISTING SILTY FINE SANDS THAT ARE AVAILABLE ON SITE.
5. INITIALLY DITCHES SHALL BE ROUGH GRADED TO APPROXIMATELY 12 INCHES ABOVE FINAL GRADE. PRIOR TO PROJECT COMPLETION AND FOLLOWING FINAL SITE STABILIZATION, THE DITCHES SHALL BE EXCAVATED TO FINAL GRADE(S). DEEP RAKING AND LOOSENING OF THE ENTIRE DITCH BOTTOM SHALL OCCUR AFTER FINAL GRADE IS ACHIEVED.
6. CONSTRUCT ROADWAYS.
7. LANDSCAPE AND SOD AS REQUIRED.
8. SEDIMENT SHALL BE REMOVED FROM DITCHES ONCE THE UPSLOPE DRAINAGE AREAS ARE STABILIZED.
9. AS-BUILT PLANS, STORMWATER OPERATING PERMIT AND P.E. COMPLIANCE LETTER SHALL BE SUBMITTED TO LEON COUNTY GROWTH AND ENVIRONMENTAL MANAGEMENT AT LEAST TWO WEEKS PRIOR TO REQUESTING A FINAL INSPECTION FROM THE ENVIRONMENTAL INSPECTOR.

Development Summary

	Square Feet:	Acres:	Percent:
Project Area (Disturbed Area)	133,716	3.07	100
Proposed Impervious Area (proposed pavement)	61,618	1.41	46
Proposed Ditches	44,100	1.01	33
Proposed Landscape Area (all disturbed areas with no pavement or ditches)	27,998	0.64	21

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2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800  
 FBPR Certificate of Authorization No. 24

CLIENT

LEON COUNTY  
 FLORIDA CAPITAL COUNTY

PROJECT

SELENA RD

TASK

KEY MAP

ORIGINAL	JUNE 15, 2011	6
REVISIONS:		7
1		8
2		9
3		10
4		11
5		12

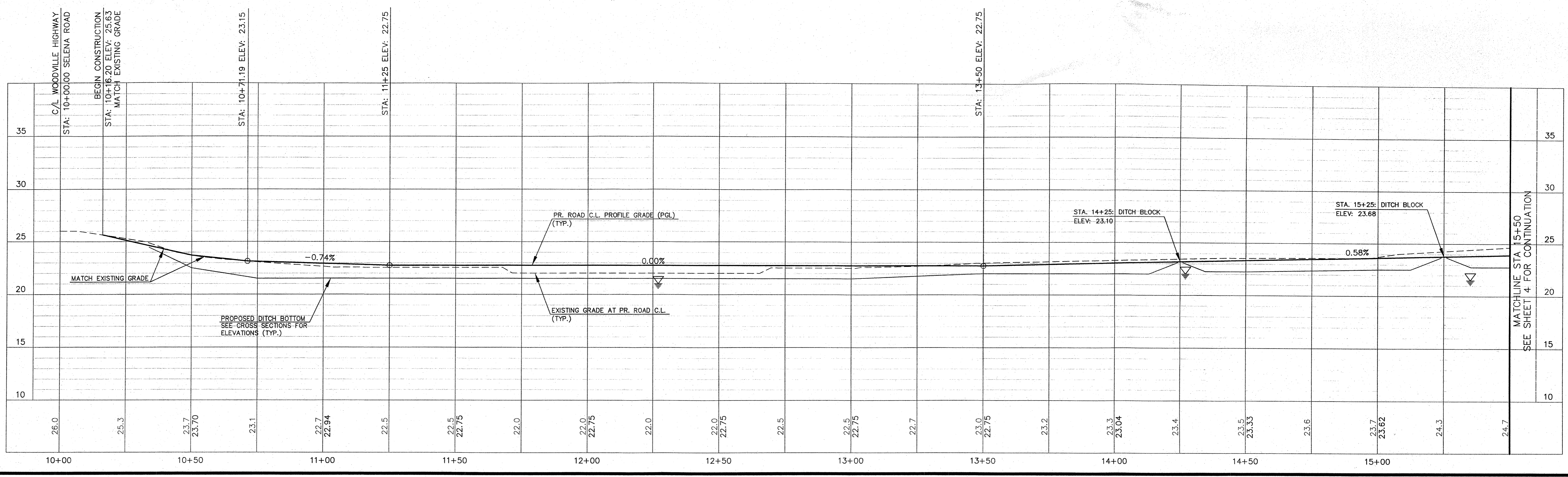
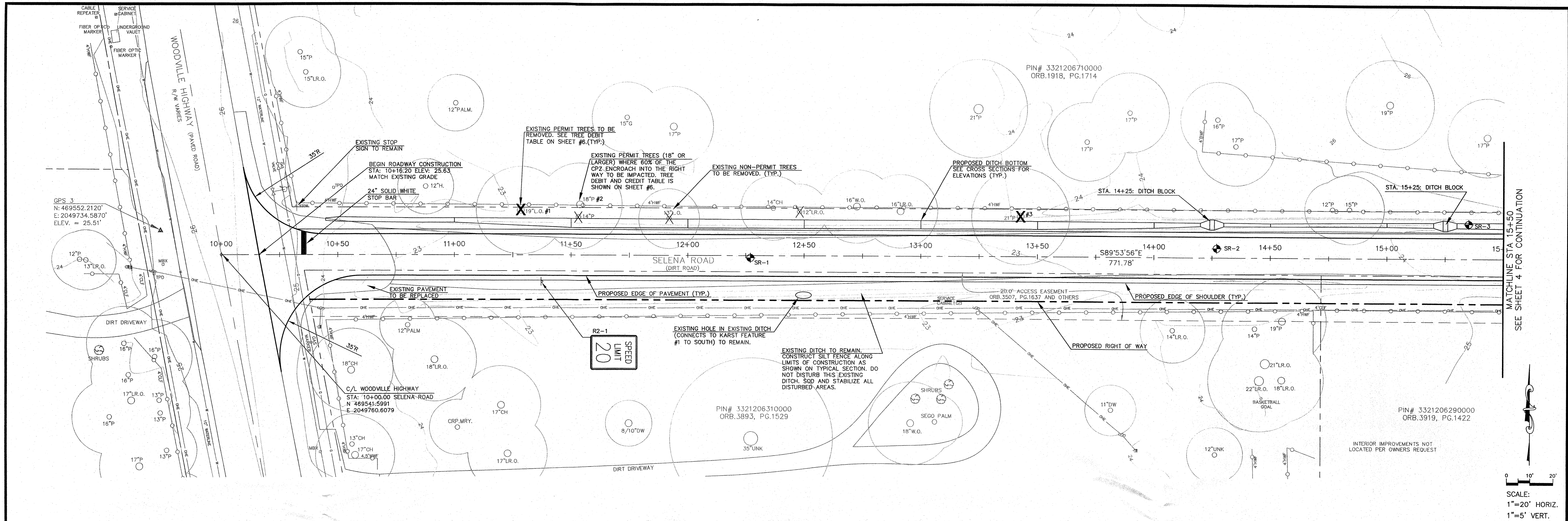
WILLIAM K. JOHNSON  
 P.E. NO. 41040

Signature:

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100018237  
 DRAWN MR  
 DESIGNED WKJ/MR  
 CHECKED WKJ  
 QC MAS


SHEET 2



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**ATKINS**  
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LEON  
 COUNTY  
 FLORIDA

PROJECT

**SELENA RD**

TASK

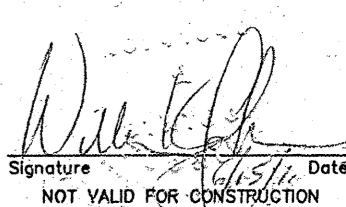
**PLAN AND PROFILE**

ORIGINAL: JUNE 15, 2011

REVISIONS:

1		6
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5		10
		11
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WILLIAM K. JOHNSON  
 P.E. NO. 41040

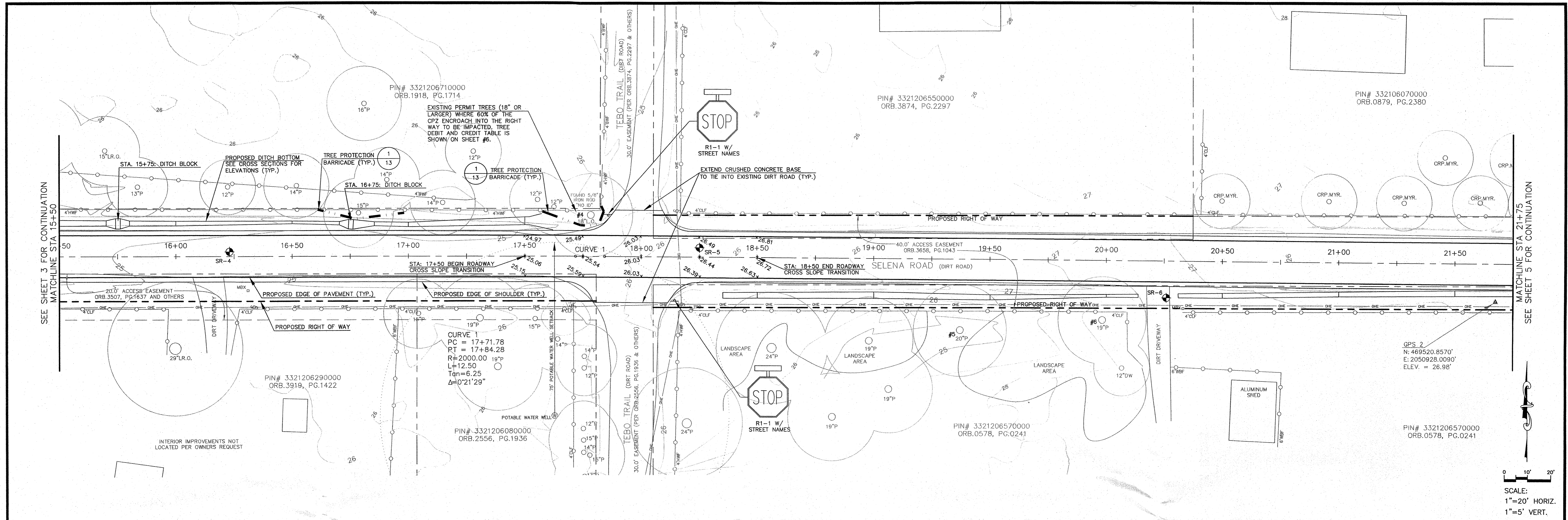


Signature Date

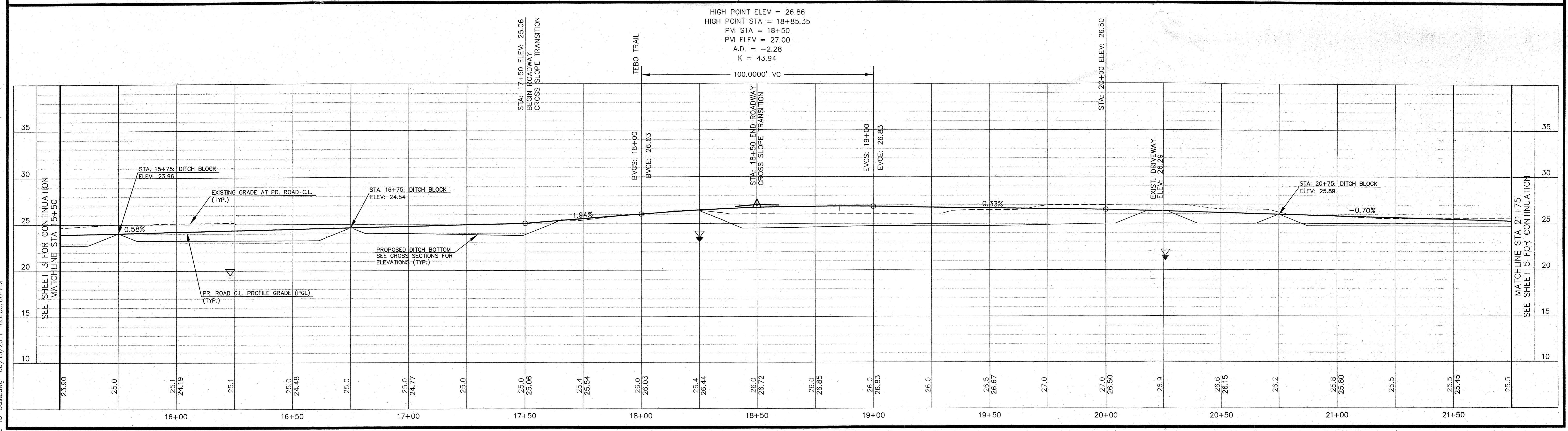
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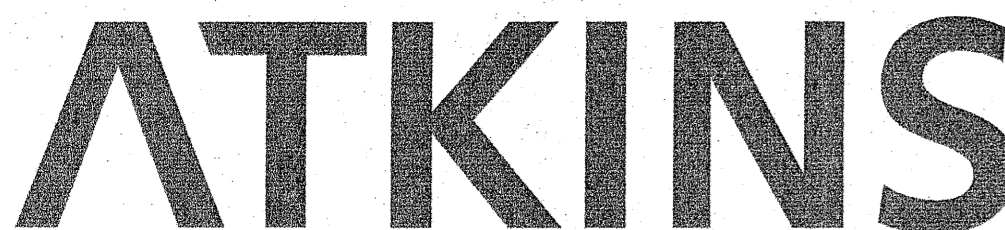

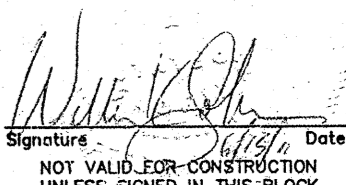
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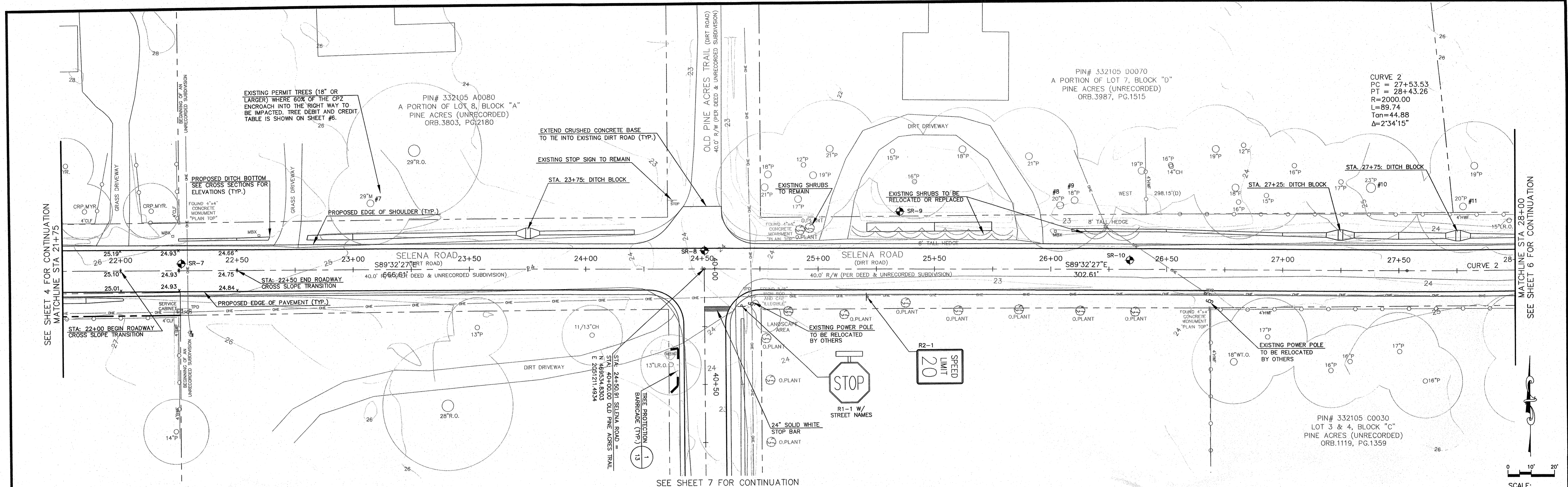


SCALE:  
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1"=5' VERT.



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 2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800 FBPR Certificate of Authorization No. 24	CLIENT 	PROJECT <b>SELENA RD</b>	TASK <b>PLAN AND PROFILE</b>	ORIGINAL <u>JUNE 15, 2011</u> REVISIONS: 1 _____ 2 _____ 3 _____ 4 _____ 5 _____	6 _____ 7 _____ 8 _____ 9 _____ 10 _____ 11 _____ 12 _____	WILLIAM K. JOHNSON P.E. NO. 41040  NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK	JOB NO. <u>100018237</u> DRAWN <u>MR</u> DESIGNED <u>WKJ/MR</u> CHECKED <u>WKJ</u> QC <u>MAS</u> <b>SHEET 4</b>
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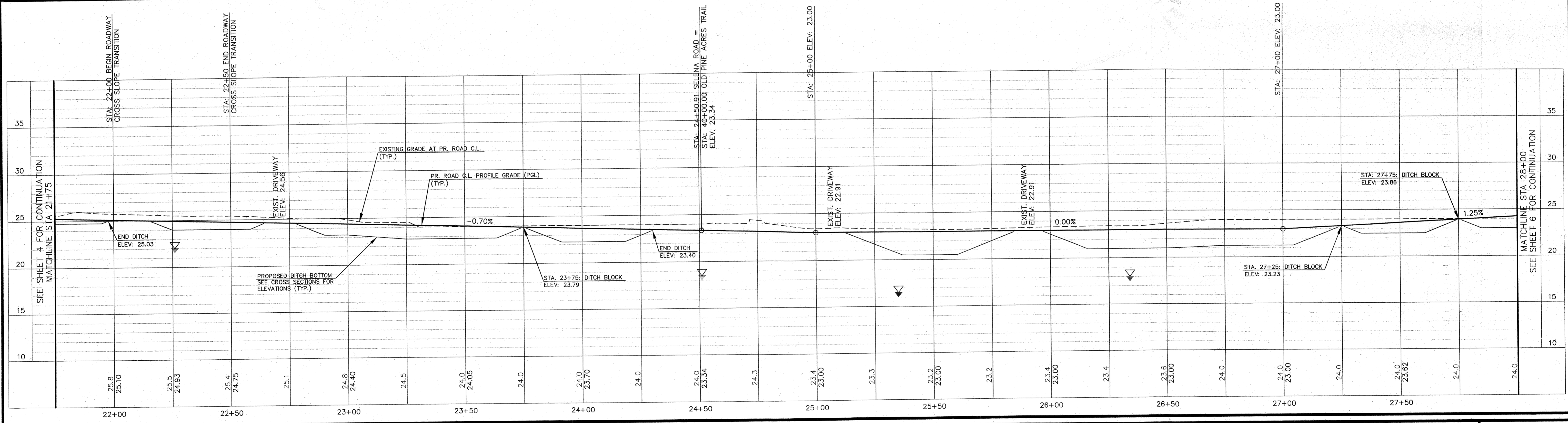


SEE SHEET 4 FOR CONTINUATION MATCHLINE STA 21+75

SEE SHEET 7 FOR CONTINUATION

MATCHLINE STA 28+00 SEE SHEET 6 FOR CONTINUATION

SCALE: 1"=20' HORIZ. 1"=5' VERT.



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CLIENT

LEON  
FLORIDA'S CAPITAL COUNTY

PROJECT

**SELENA RD**

TASK

**PLAN AND PROFILE**

ORIGINAL: JUNE 15, 2011

REVISIONS:

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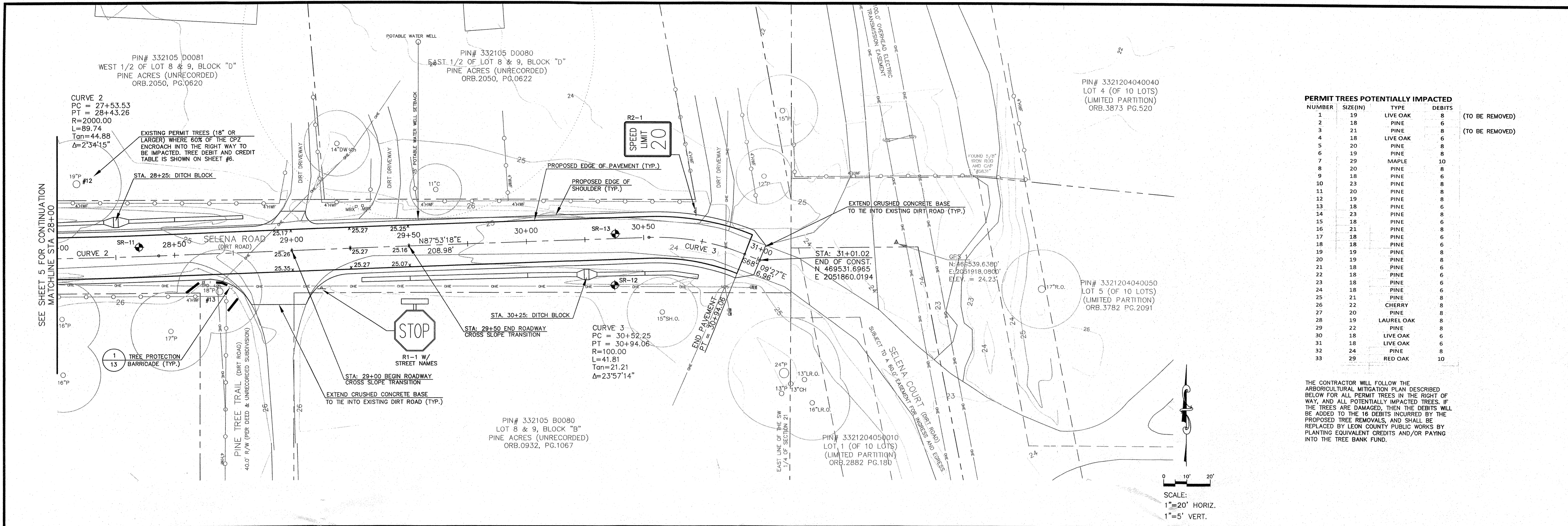
WILLIAM K. JOHNSON  
P.E. NO. 41040

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100018237

DRAWN	MR
DESIGNED	WKJ/MR
CHECKED	WKJ
QC	MAS

**SHEET 5**

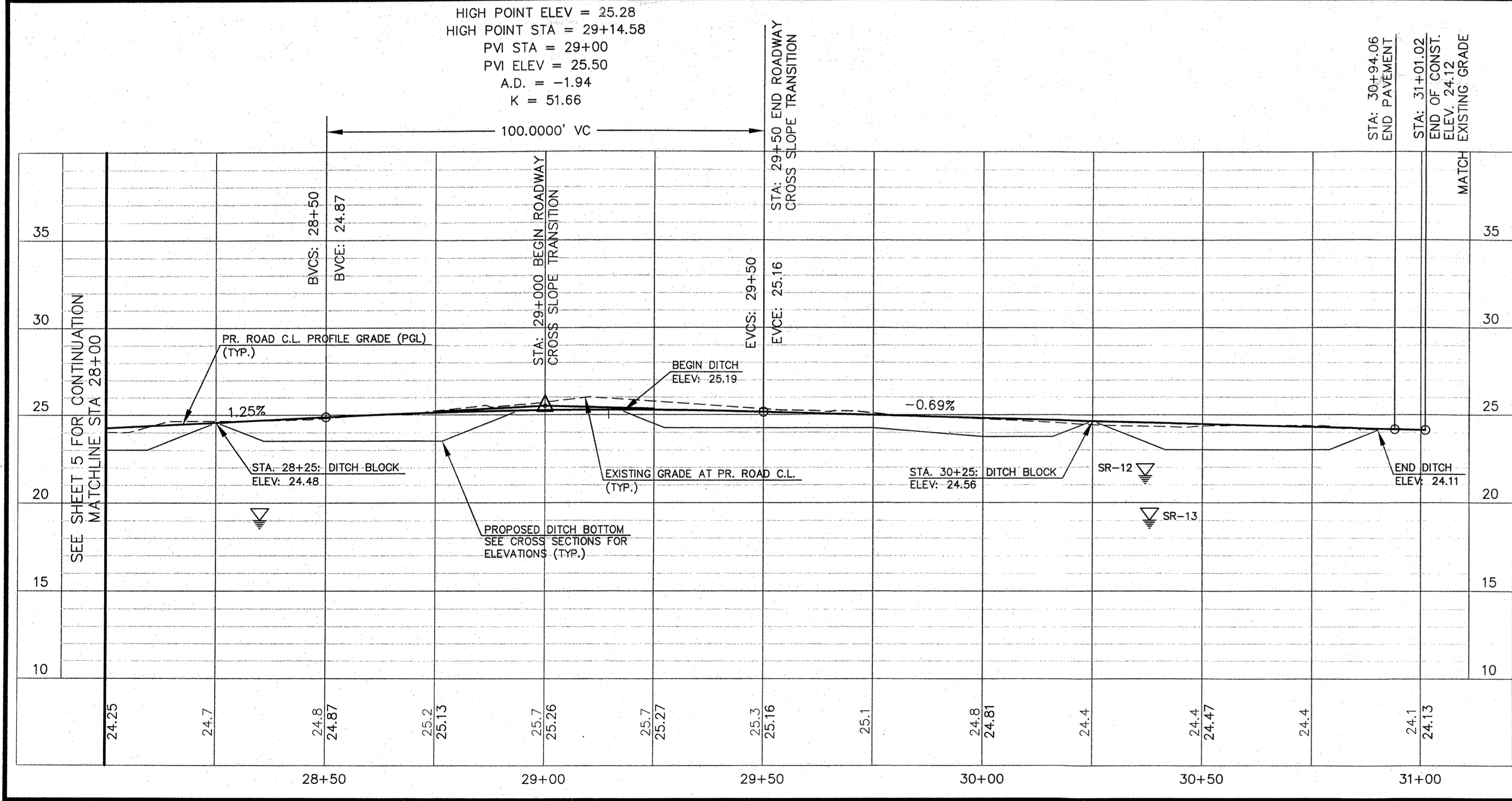
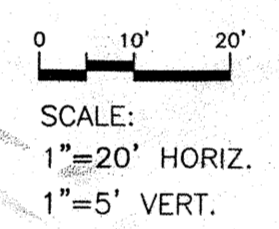


**PERMIT TREES POTENTIALLY IMPACTED**

NUMBER	SIZE(IN)	TYPE	DEBITS
1	19	LIVE OAK	8
2	18	PINE	6
3	21	PINE	8
4	18	LIVE OAK	6
5	20	PINE	8
6	19	PINE	8
7	29	MAPLE	10
8	20	PINE	8
9	18	PINE	6
10	23	PINE	8
11	20	PINE	8
12	19	PINE	8
13	18	PINE	6
14	23	PINE	8
15	18	PINE	6
16	21	PINE	8
17	18	PINE	6
18	18	PINE	6
19	19	PINE	8
20	19	PINE	8
21	18	PINE	6
22	18	PINE	6
23	18	PINE	6
24	18	PINE	6
25	21	PINE	8
26	22	CHERRY	8
27	20	PINE	8
28	19	LAUREL OAK	8
29	22	PINE	8
30	18	LIVE OAK	6
31	18	LIVE OAK	6
32	24	PINE	8
33	29	RED OAK	10

(TO BE REMOVED)

THE CONTRACTOR WILL FOLLOW THE ARBORICULTURAL MITIGATION PLAN DESCRIBED BELOW FOR ALL PERMIT TREES IN THE RIGHT OF WAY AND ALL POTENTIALLY IMPACTED TREES. IF THE TREES ARE DAMAGED, THEN THE DEBITS WILL BE ADDED TO THE 16 DEBITS INCURRED BY THE PROPOSED TREE REMOVALS AND SHALL BE REPLACED BY LEON COUNTY PUBLIC WORKS BY PLANTING EQUIVALENT CREDITS AND/OR PAYING INTO THE TREE BANK FUND.



**ARBORICULTURAL MITIGATION PLAN:**

**SITE MONITORING**  
All tree protection procedures and activities shall be monitored and approved throughout the construction period by a Certified Arborist.

**SOIL TESTING**  
The Critical Protection Zone (CPZ) of the designated trees shall be soil tested for existing nutrient content to determine the necessity of fertilizer application and recommended percentages and rates. The soil samples shall be taken within the CPZ; multiple samples shall be taken if locations of obvious change in soil texture and color exist within the CPZ. Samples shall be submitted to IFAS Extension Soil Testing Laboratory or approved soil testing service for analysis and recommendations.

Percolation tests shall be performed within the CPZ of each designated tree to determine the necessity of soil aeration. Multiple samples shall be taken if locations of obvious change in soil texture and color exist within the CPZ.

The Certified Arborist shall be responsible for all soil testing. Submittals of samples shall be made to the Owner's Agent and the Landscape Architect for review.

**WATERING**  
All protected trees shall be watered as necessary to deliver a minimum rate equivalent to one inch of rainfall per week. Application rate shall be dependent upon soil type and weather conditions. A tensiometer shall be required for verification of application rates. Care shall be taken to prevent water from soaking the base of trees and root collars. Irrigation shall commence as far in advance as possible to development activity and shall continue through the completion of the project. All watering shall be under the direction and supervision of the Certified Arborist.

**ROOT PRUNING**  
Root pruning shall occur prior to site grading, earthwork, excavation or any other activity which may damage the roots of a tree proposed for mitigation in all areas of demolition or new construction requiring removal of existing roots: i.e. excavation, construction of footings, retaining walls, curbs paving and base. Roots shall be cut with a mechanical trenching device to a minimum depth of 18" followed immediately by a clean-cut hand pruning of all roots of greater than 3/4" diameter. Root pruning shall occur in advance of site clearing or excavation or construction. All exposed pruned or cut roots shall be covered immediately with topsoil, mulch or other organic medium. When it is not possible to back fill within an hour (in sun) or two hours (in shade) the exposed roots shall be covered with burlap and the burlap kept moist until back filling occurs.

**PRUNING**  
Pruning shall be performed by a Certified Arborist in accordance with the ANSI A300 standards as directed on site by the Landscape Architect or determined by the Certified Arborist. Pruning and crown thinning shall be done to all dead and diseased limbs that harbor decay and all heavy concentrations of moss and vines shall be removed that compete with crown foliage. All branch removal for the clearance or raising of larger limbs for traffic or structures shall be done by the Certified Arborist. All limbs larger than six inch diameter that are proposed to be cut shall first be approved by the Certified Arborist and work performed by the Certified Arborist.

Removal of competing understory trees, shrubs and vines shall be done by the Certified Arborist. Any propagules of exotic invasive plants shall be removed from the site and destroyed in a manner that prevents the spread of invasive infestation.

**SOIL AERATION**  
Soil aeration shall be performed by the Certified Arborist upon his recommendation based on results of percolation tests within the CPZ. If required, use a 1 1/2 - 1 3/4 inch diameter soil auger to drill holes to a depth of 12 inches every 24 inches apart, starting three feet from the trunk collar outward to five feet past the drip line of the tree. The entire area within the CPZ of the tree should be aerated.

**MULCHING**  
Mulching shall be used throughout the project within the CPZ of the protected trees to the greatest extent possible. A 2-3 inch layer of mulch, preferably wood chips, shall be placed over the entire CPZ of the protected tree. Where heavy construction traffic will be located within a portion of the CPZ, a layer of 4-6 inches of wood chips, covered with 3/4 inch plywood placed over the mulch shall be placed down to lessen soil compaction and damage to the tree roots.

**FERTILIZING**  
Fertilizing and pH adjustment should be in response to the soil test. Fertilize with a complete fertilizer, containing at least 5% nitrogen in organic form, including minor elements. Apply in the spring at a rate recommended by soil testing service. Fertilizer proposed for soil injection and/or liquid fertilization should be in a ratio of elements as determined by soil tests and the Certified Arborist as well as application method. Water soil immediately after initial application of fertilizer at a rate equivalent to one inch of rainfall.

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CLIENT

LEON COUNTY  
FLORIDA

PROJECT

**SELENA RD**

TASK

**PLAN AND PROFILE**

ORIGINAL: JUNE 15, 2011

REVISIONS:

1	
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WILLIAM K. JOHNSON  
P.E. NO. 41040

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

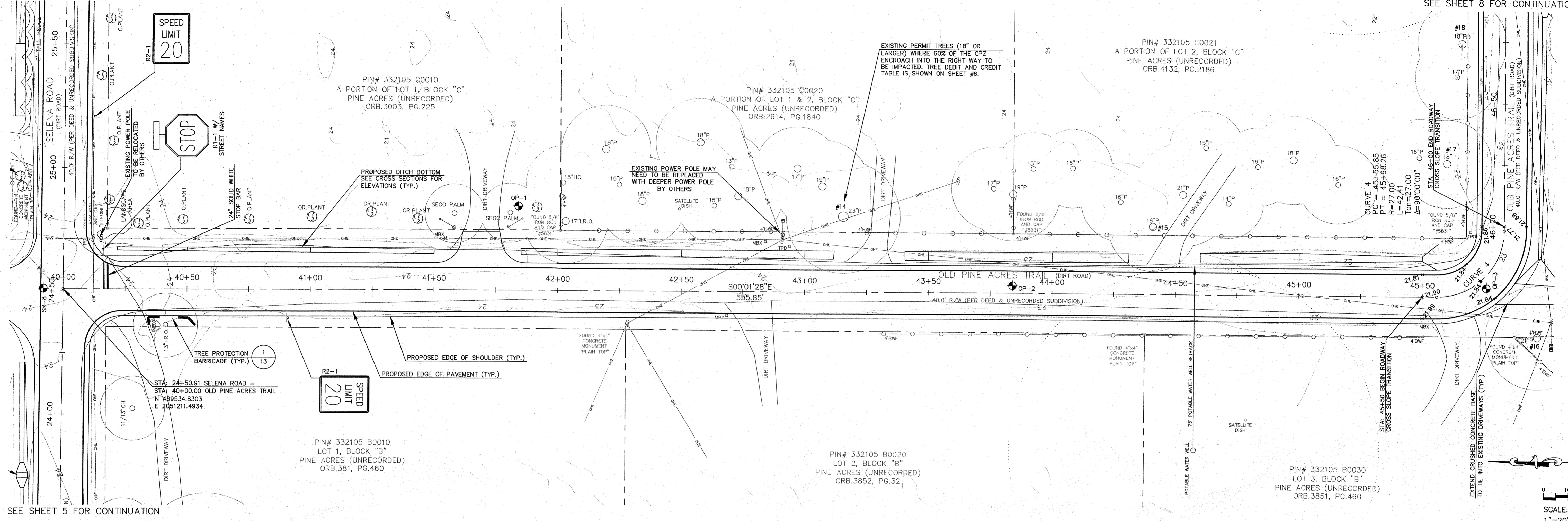
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

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DRAWN: MR  
DESIGNED: WKJ/MR  
CHECKED: WKJ  
QC: MAS

SHEET **6**

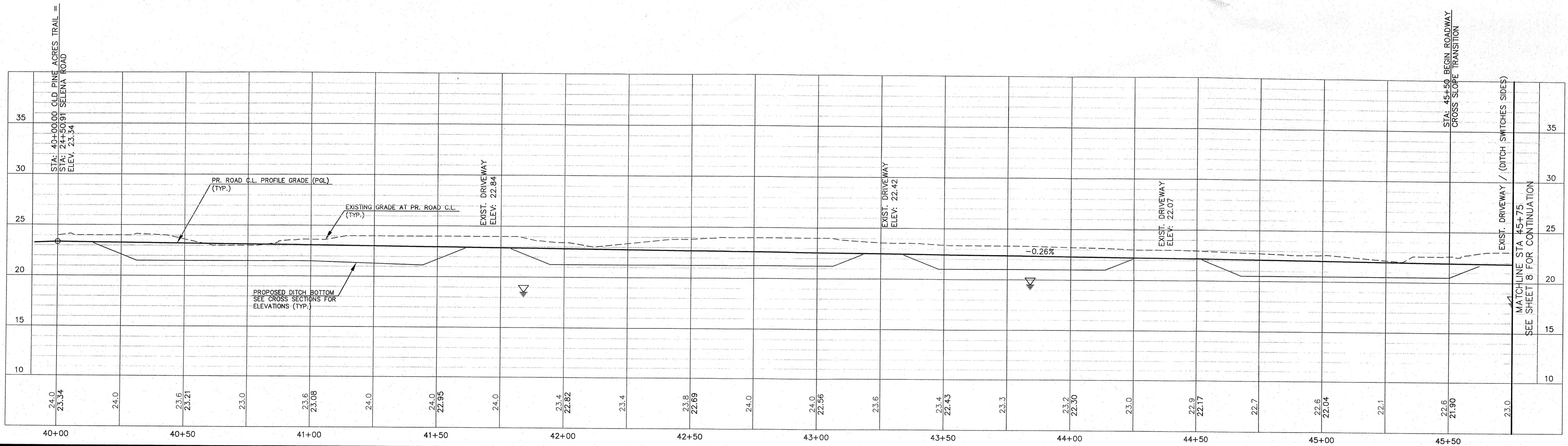
SEE SHEET 5 FOR CONTINUATION

SEE SHEET 8 FOR CONTINUATION



SEE SHEET 5 FOR CONTINUATION

SCALE:  
1"=20' HORIZ.  
1"=5' VERT.



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PROJECT

**SELENA RD**

TASK

**PLAN AND PROFILE**

ORIGINAL: JUNE 15, 2011

REVISIONS:

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WILLIAM K. JOHNSON  
P.E. NO. 41040

JOB NO. 100018237

DRAWN: MR

DESIGNED: WKJ/MR

CHECKED: WKJ

QC: MAS

SHEET 7

SEE SHEET 7 FOR CONTINUATION

PIN# 332105 B0030  
LOT 3, BLOCK "B"  
PINE ACRES (UNRECORDED)  
ORB.3831, PG.460

STA: 45+50 BEGIN ROADWAY  
CROSS SLOPE TRANSITION

CURVE 4  
PC = 45+55.85  
PT = 45+98.26  
R=27.00  
L=42.41  
Tan=27.00  
Δ=90°00'00"

STA: 46+00 END ROADWAY  
CROSS SLOPE TRANSITION

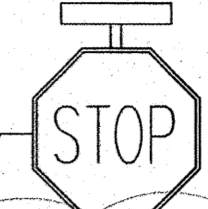
PIN# 332105 B0040  
LOT 4, BLOCK "B"  
PINE ACRES (UNRECORDED)  
ORB.1963, PG.1452

PIN# 332105 B0050  
LOT 5, BLOCK "B"  
PINE ACRES (UNRECORDED)  
ORB.1844, PG.71

EXISTING PERMIT TREES (18" OR LARGER) WHERE 60% OF THE CPZ ENROACH INTO THE RIGHT WAY TO BE IMPACTED. TREE DEBIT AND CREDIT TABLE IS SHOWN ON SHEET #6.

PIN# 332105 C0021  
A PORTION OF LOT 2, BLOCK "C"  
PINE ACRES (UNRECORDED)  
ORB.4132, PG.2186

PIN# 332105 C0030  
LOT 3 & 4, BLOCK "C"  
PINE ACRES (UNRECORDED)  
ORB.1119, PG.1359



EXISTING POWER POLE TO BE RELOCATED BY OTHERS

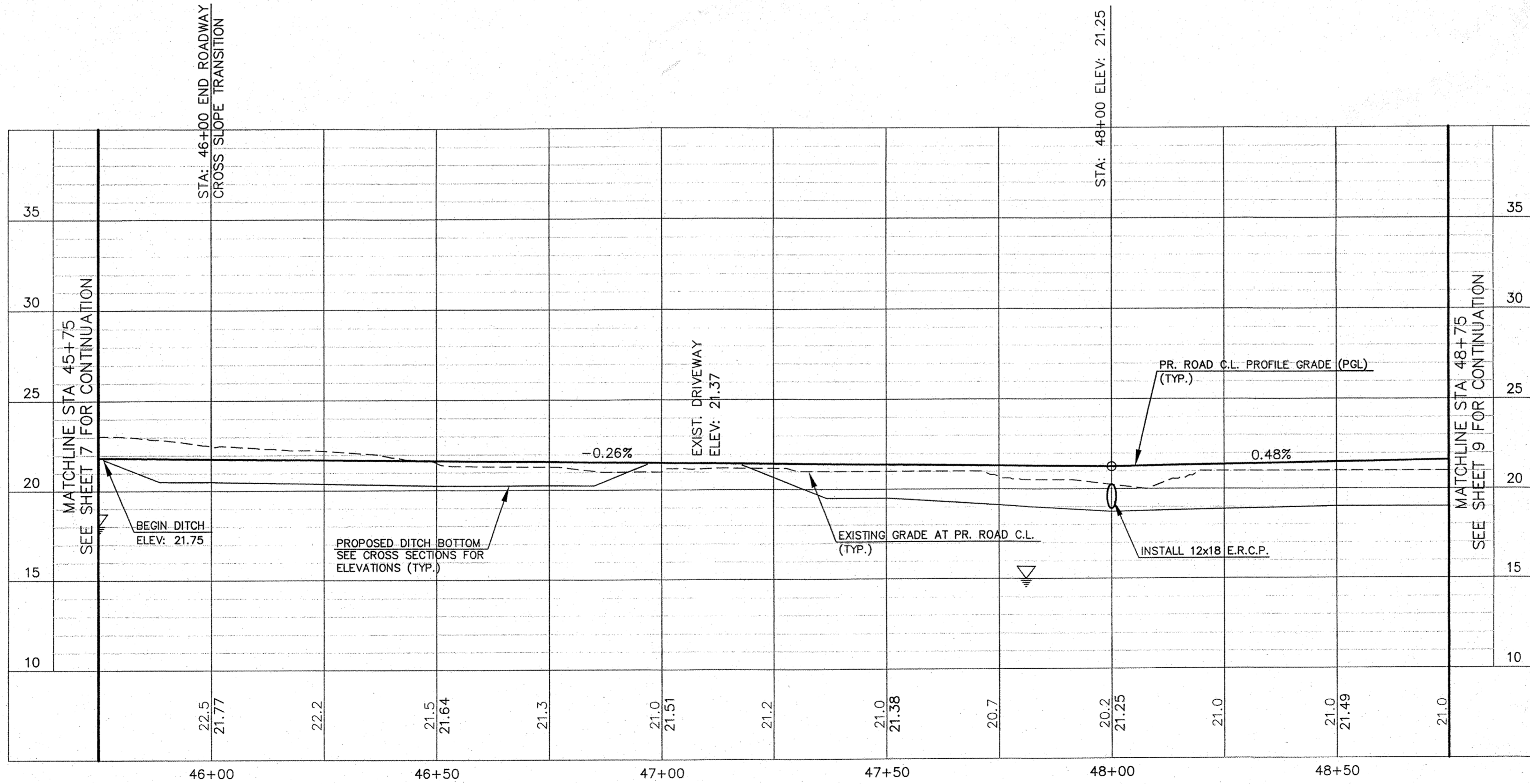
INSTALL 12x18 E.R.C.P.

CURVE 5  
PC = 48+33.77  
PT = 48+98.41  
R=41.00  
L=64.64  
Tan=41.24  
Δ=90°19'52"

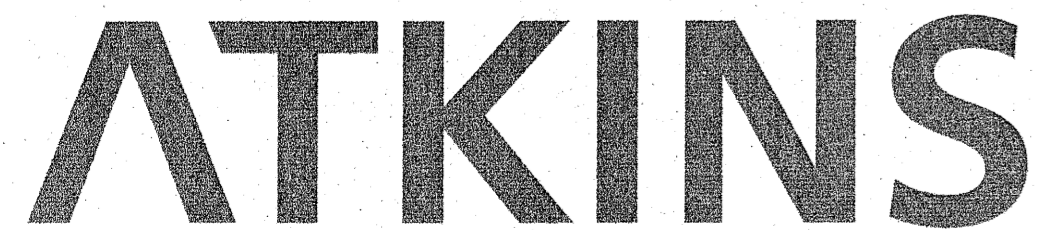
EXTEND CRUSHED CONCRETE BASE TO THE INTO EXISTING DIRT ROAD (TYP.)

SEE SHEET 9 FOR CONTINUATION

SCALE:  
1"=20' HORIZ.  
1"=5' VERT.



User: 11554 H:\CVIL\Selena-Rd\CDs\02-13-Base.dwg 06/15/2011 03:03:44 PM



2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800  
FBPR Certificate of Authorization No. 24

CLIENT



PROJECT

SELENA RD

TASK

PLAN AND PROFILE

ORIGINAL JUNE 15, 2011

REVISIONS:	6
1	7
2	8
3	9
4	10
5	11
	12

WILLIAM K. JOHNSON  
P.E. NO. 41040

Signature: *[Signature]* Date: *[Date]*  
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

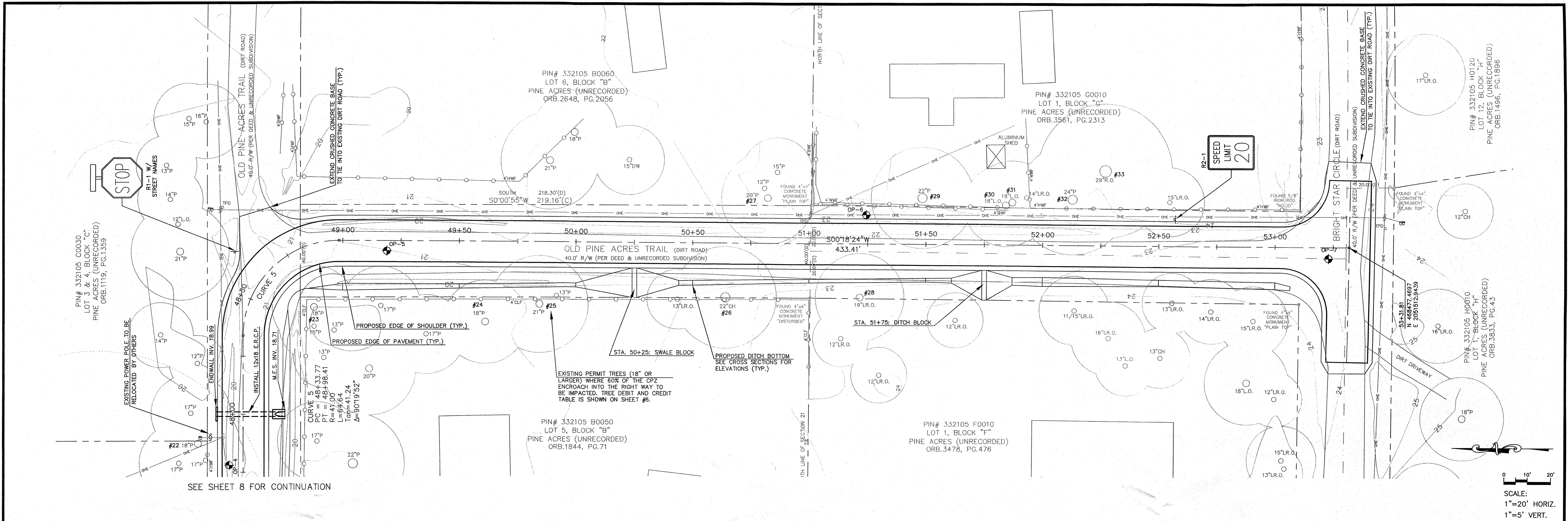
JOB NO. 100018237

DRAWN MR  
DESIGNED WKJ/MR  
CHECKED WKJ  
QC MAS

SHEET 8

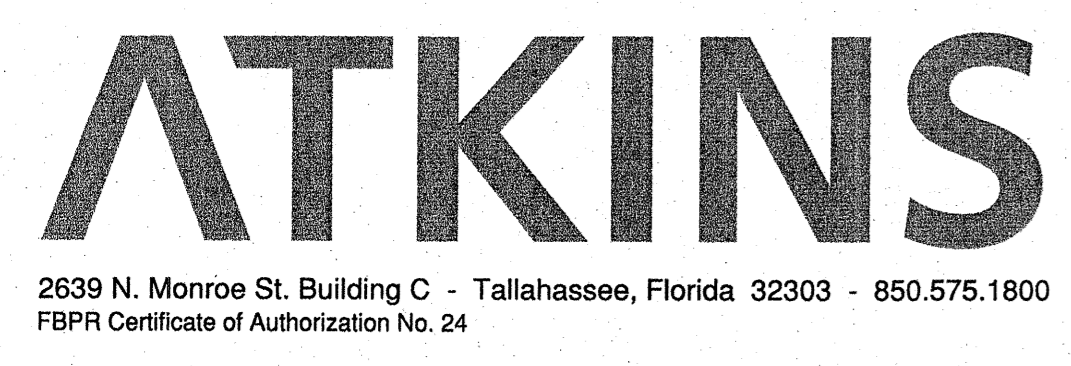
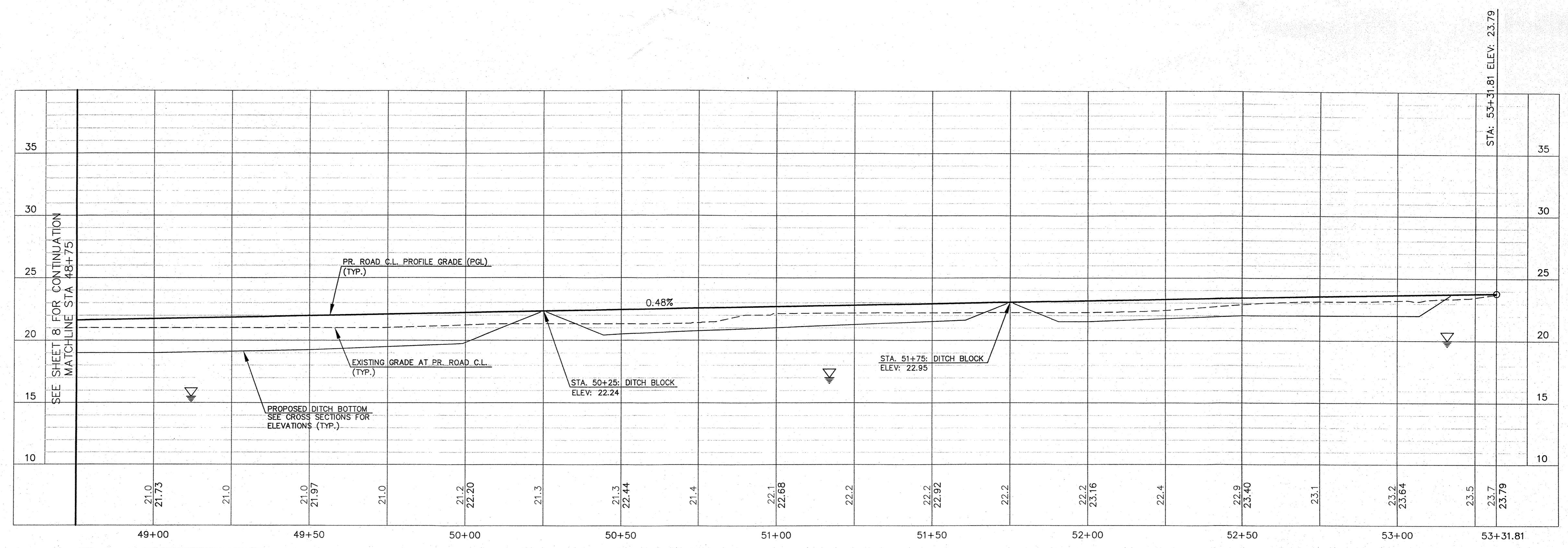


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SEE SHEET 8 FOR CONTINUATION

SCALE:  
1"=20' HORIZ.  
1"=5' VERT.



PROJECT: SELENA RD

TASK: PLAN AND PROFILE

ORIGINAL: JUNE 15, 2011

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WILLIAM K. JOHNSON  
P.E. NO. 41040

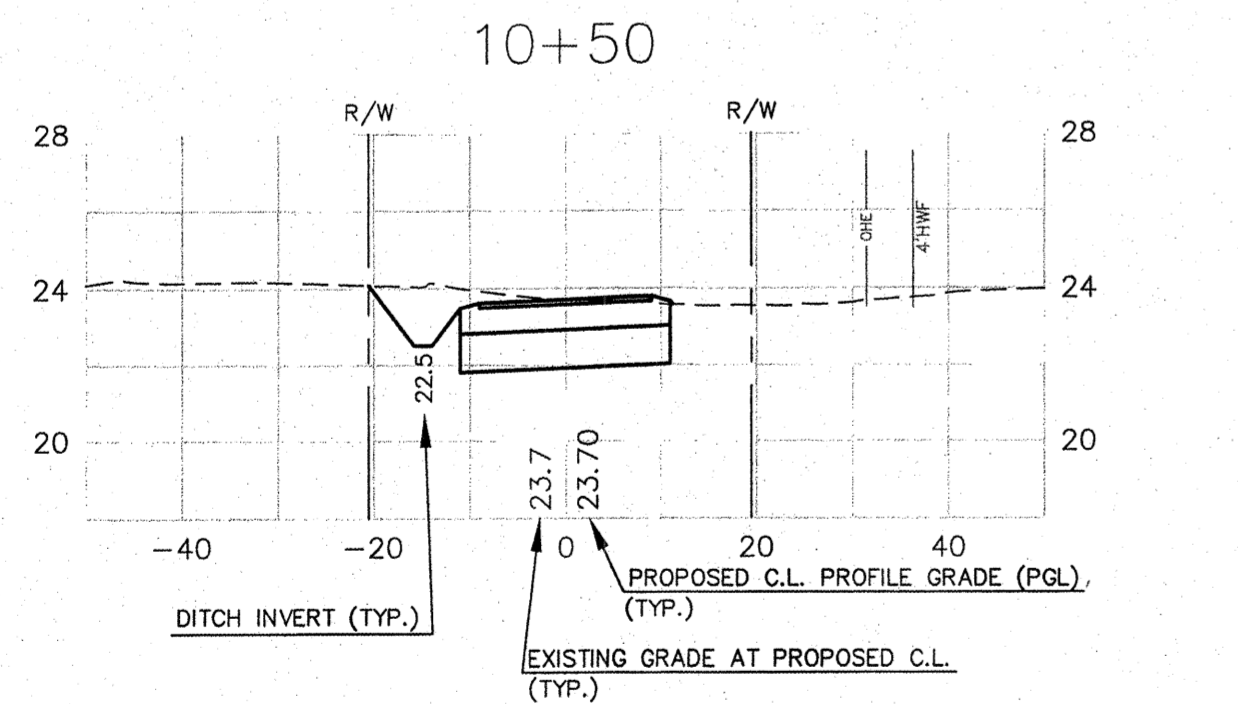
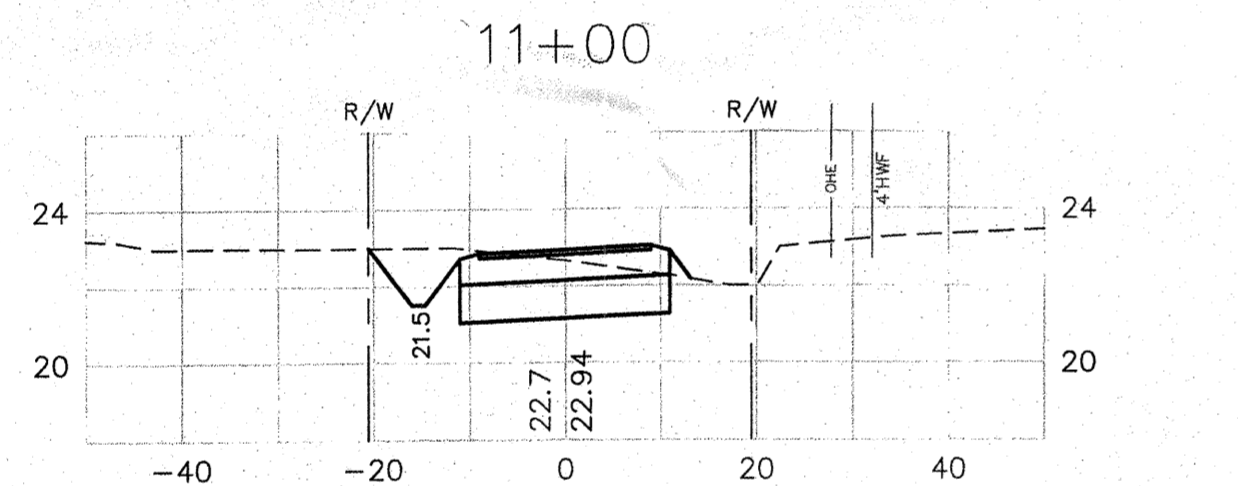
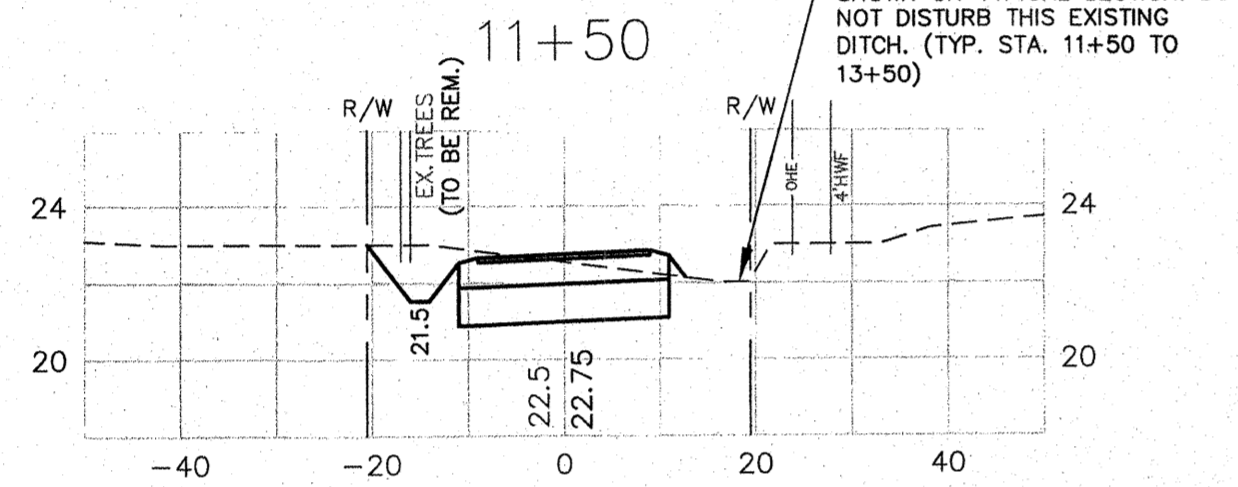
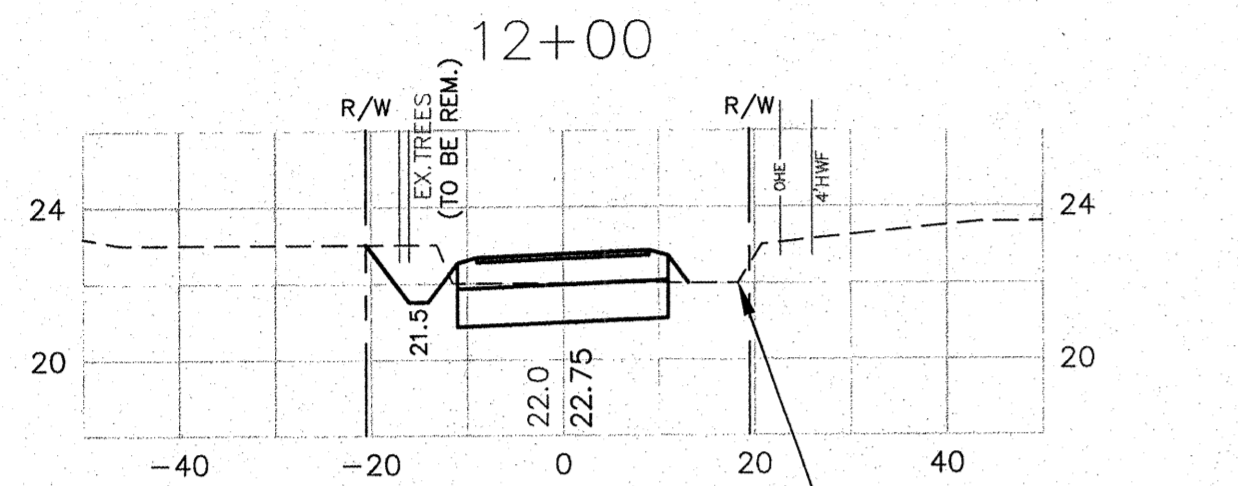
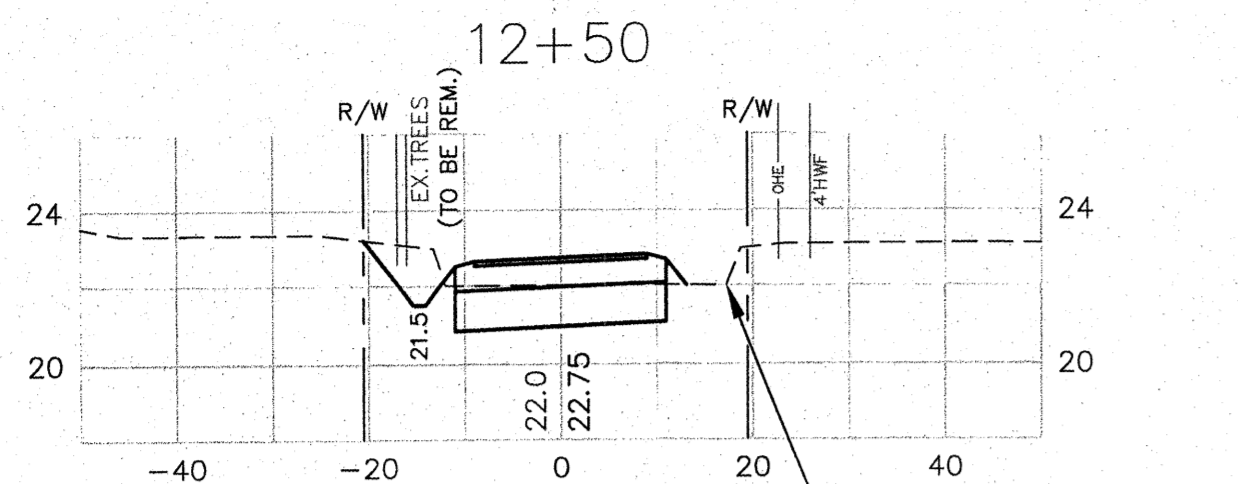
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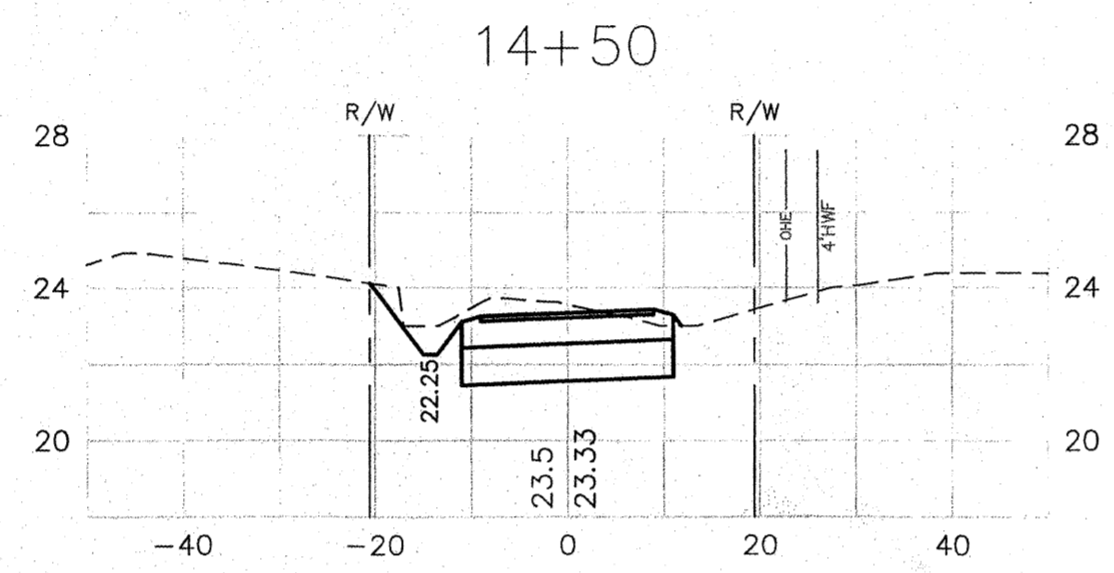
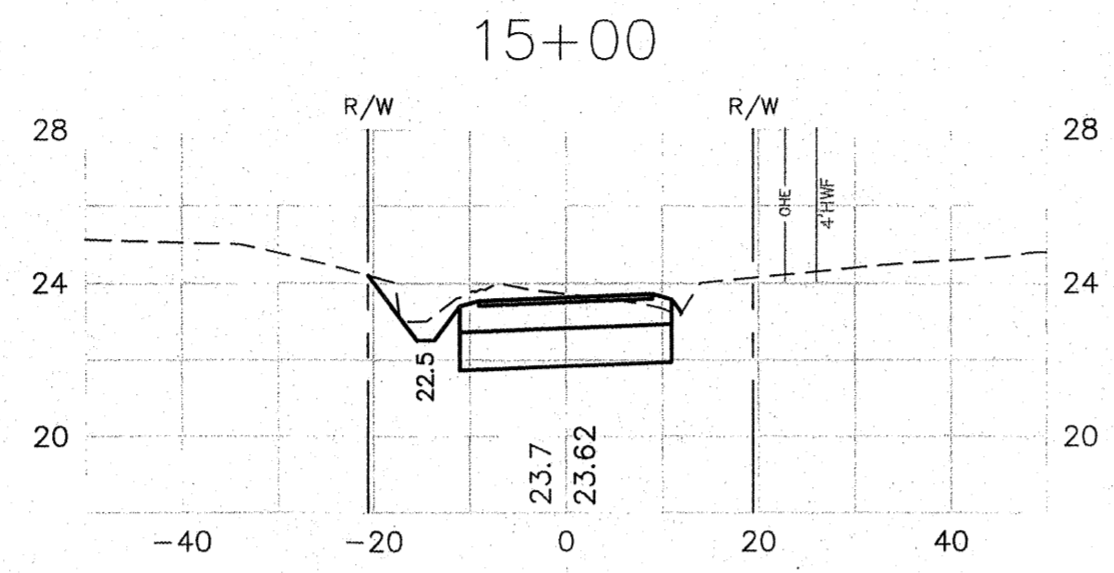
JOB NO.	100018237
DRAWN	MR
DESIGNED	WKJ/MR
CHECKED	WKJ
QC	MAS

SHEET 9

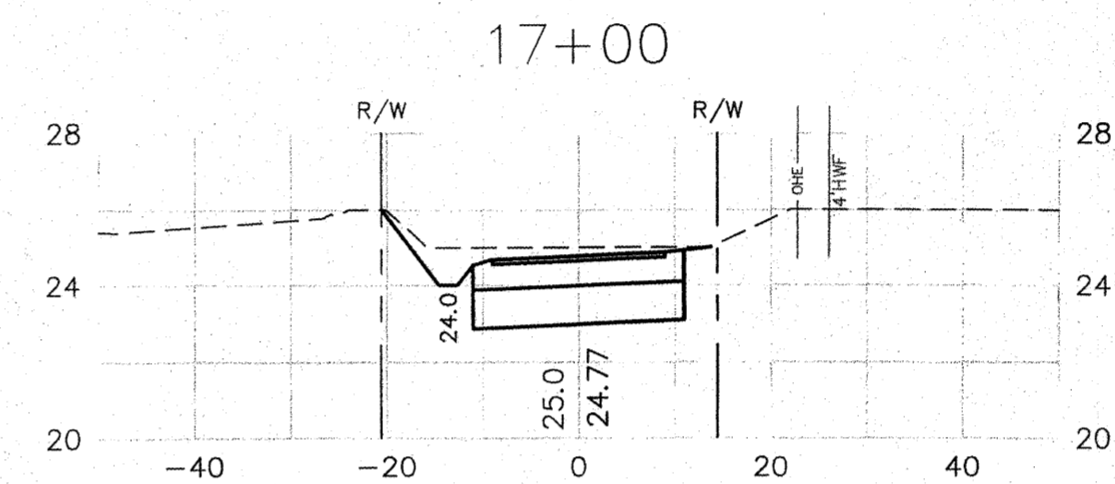
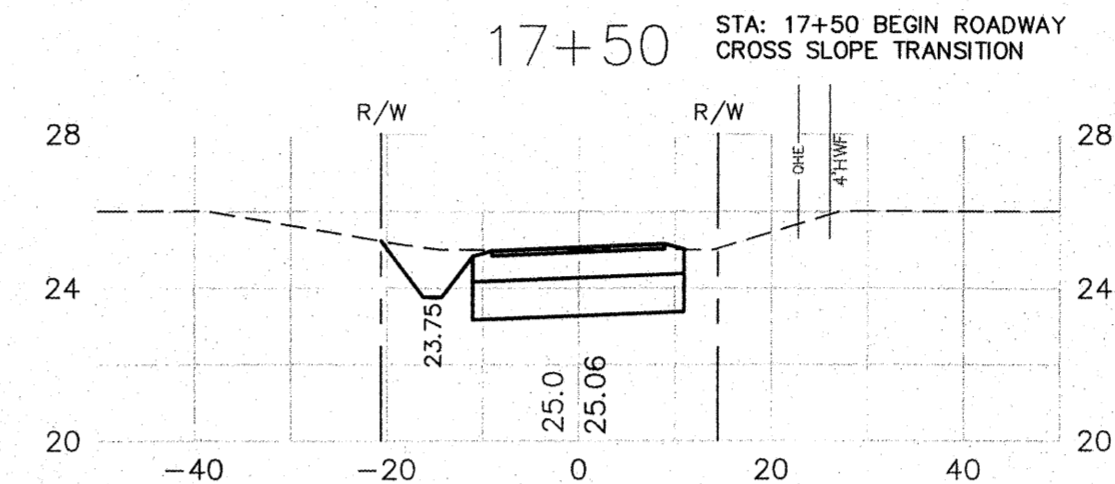
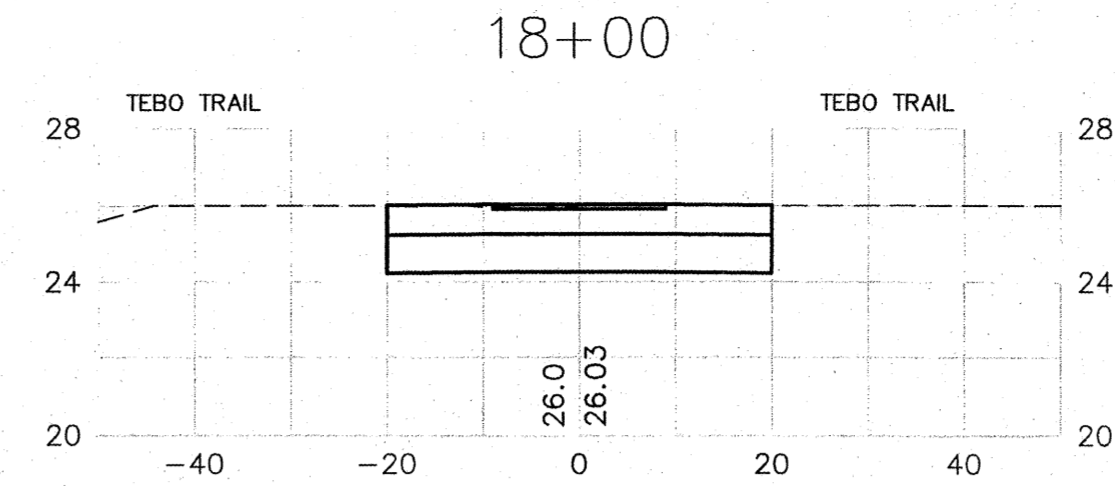
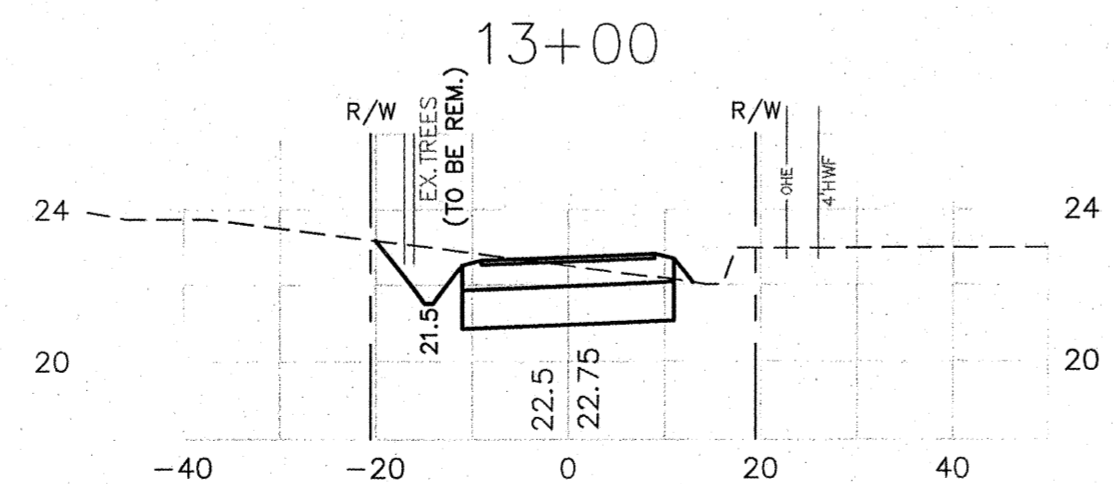
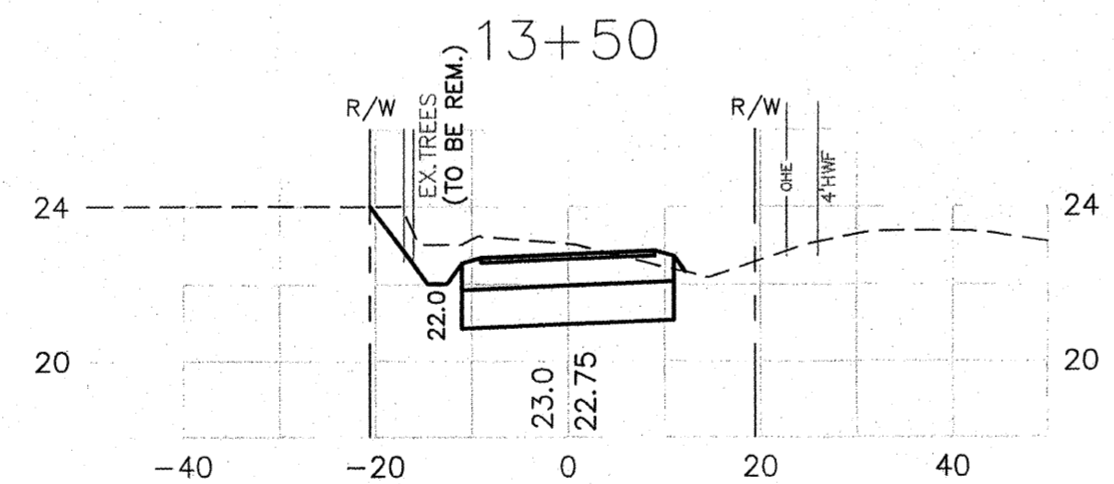
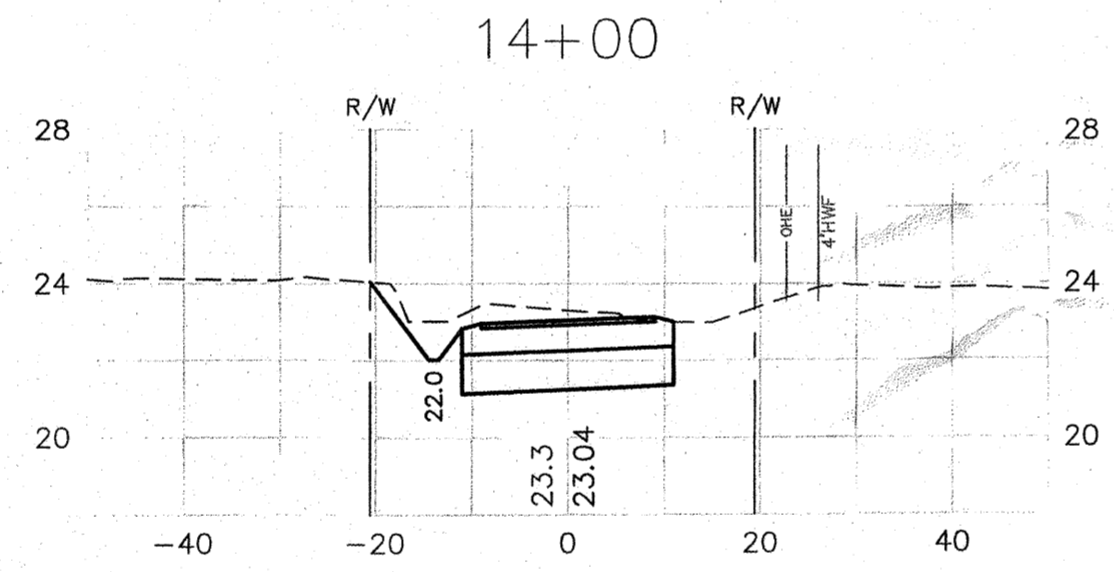
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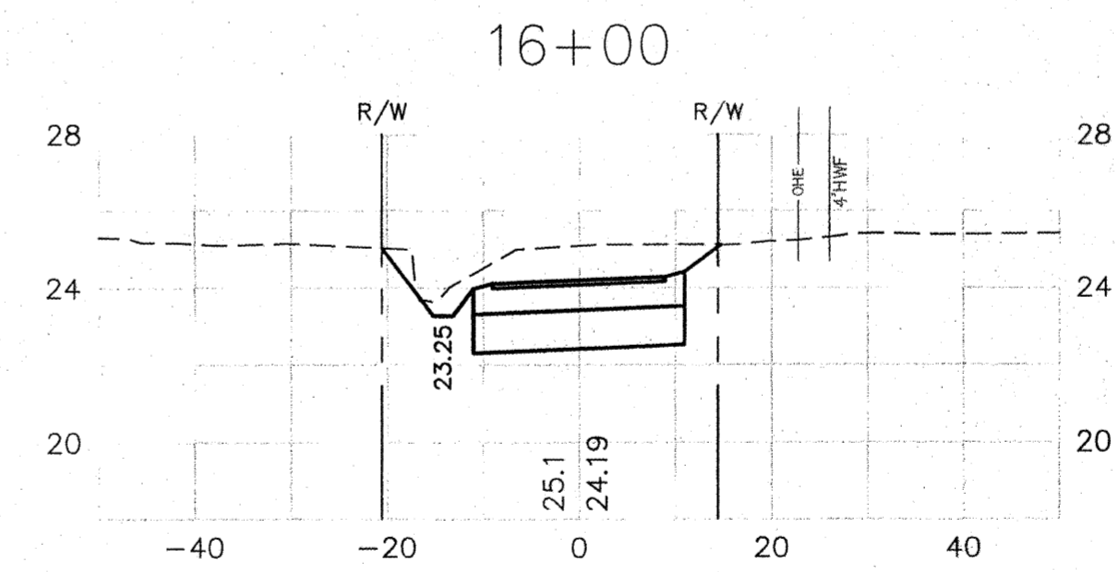
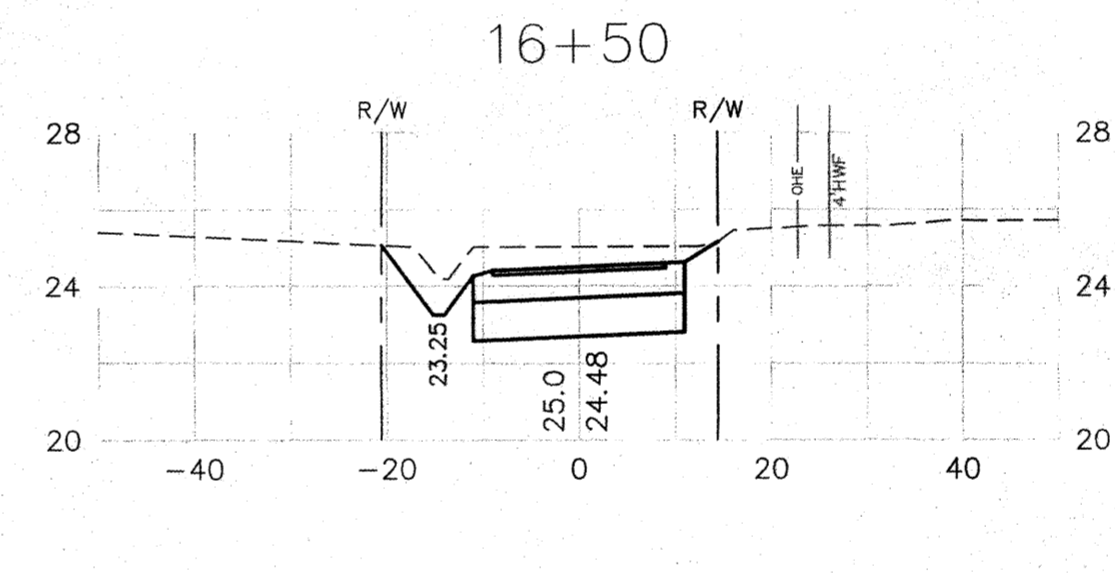
STA. 15+25: DITCH BLOCK



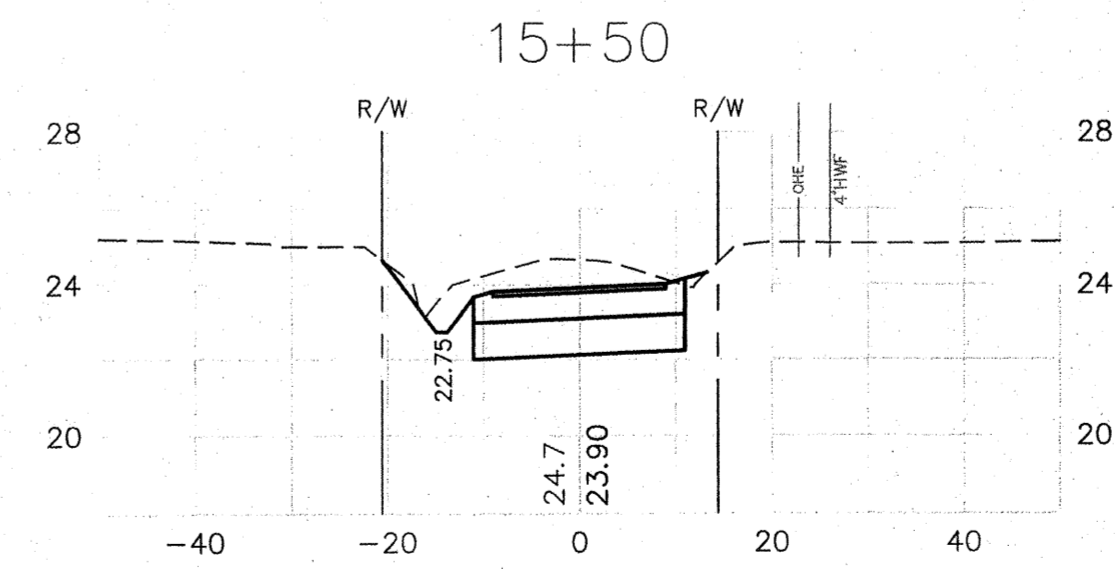
STA. 14+25: DITCH BLOCK



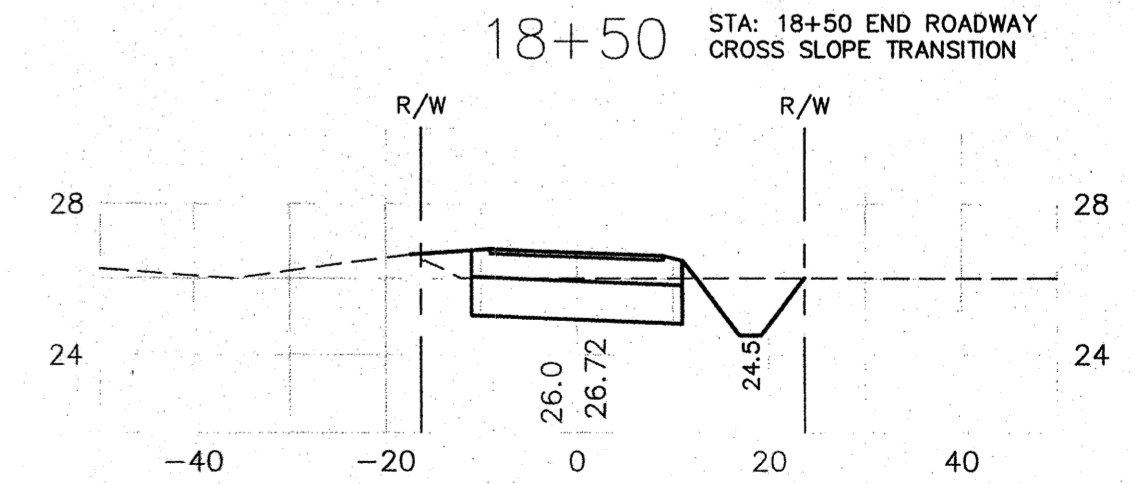
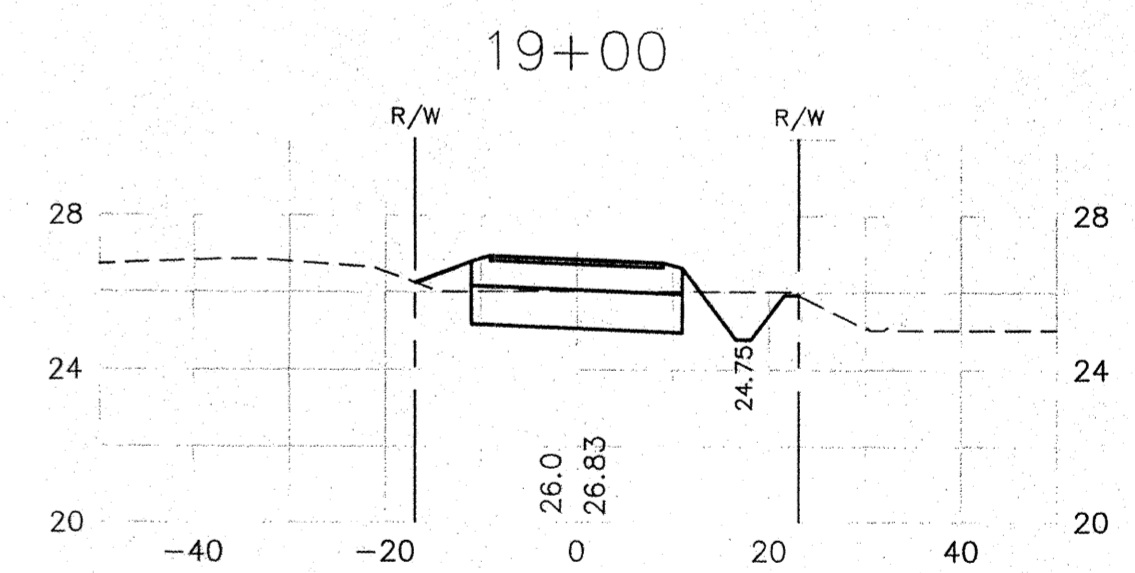
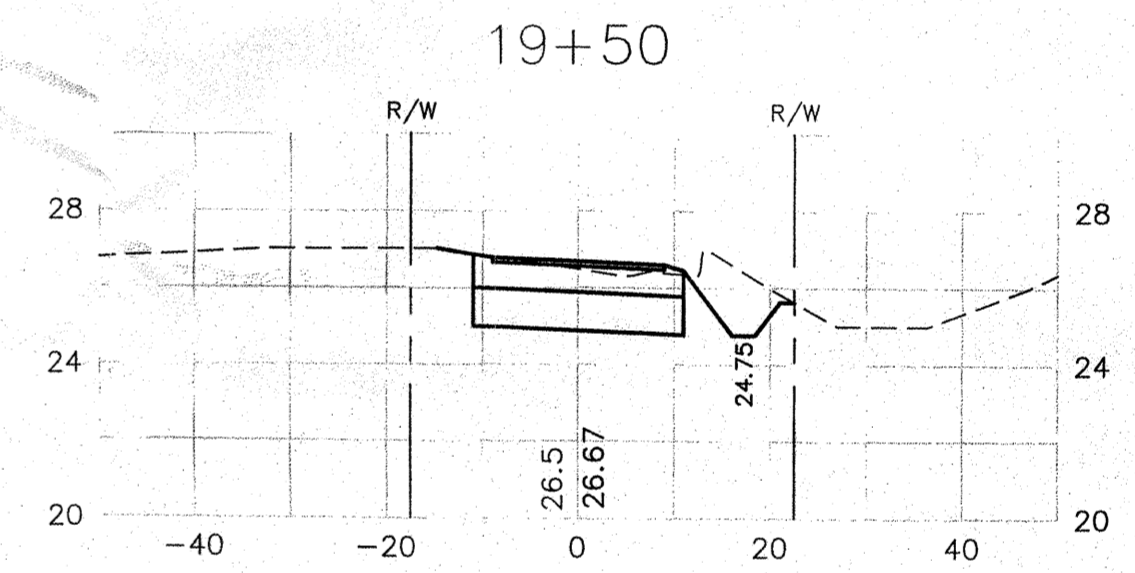
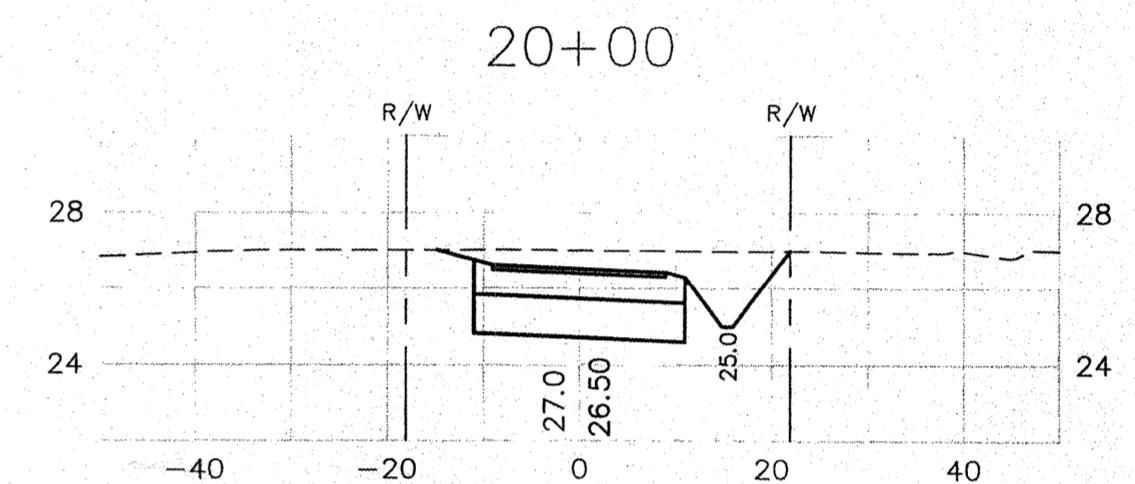
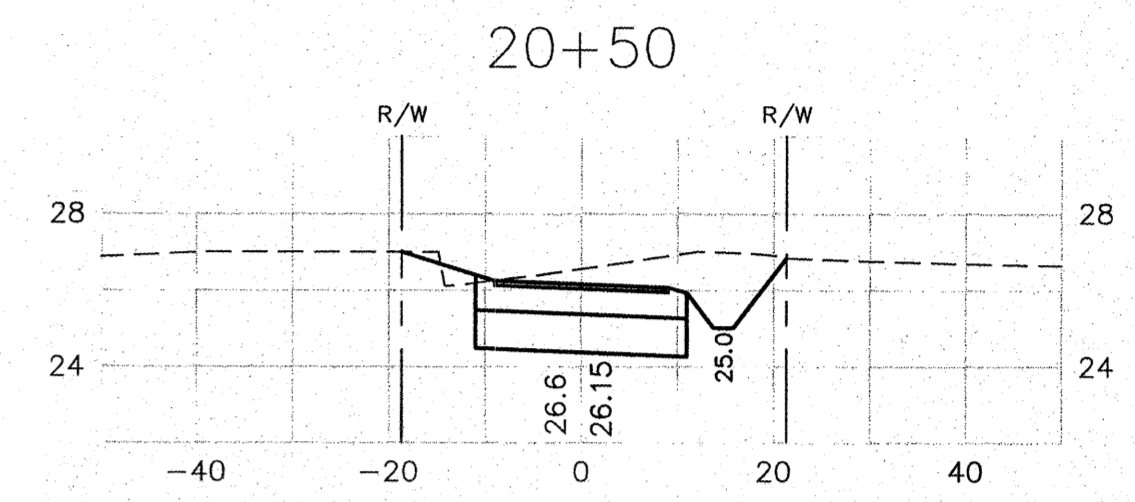
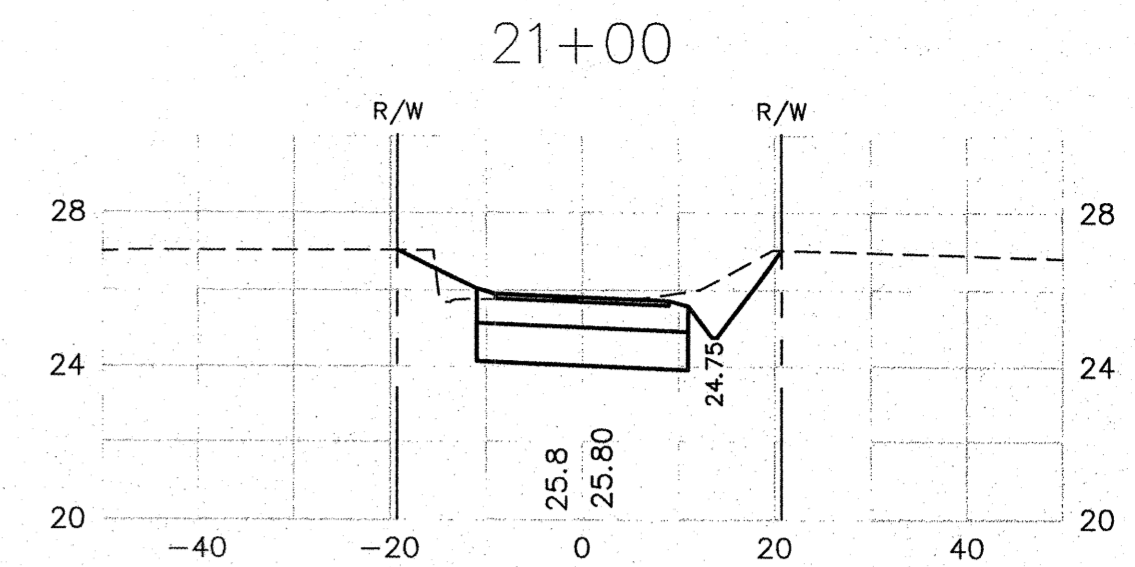
STA. 16+75: DITCH BLOCK



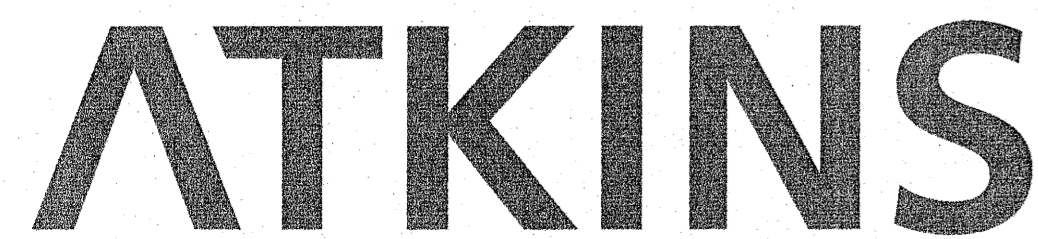
STA. 15+75: DITCH BLOCK



STA. 15+25: DITCH BLOCK



SCALE:  
 1"=20' HORIZ.  
 1"=5' VERT.



2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800  
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PROJECT

SELENA RD

TASK

CROSS SECTIONS

ORIGINAL JUNE 15, 2011

REVISIONS:	6
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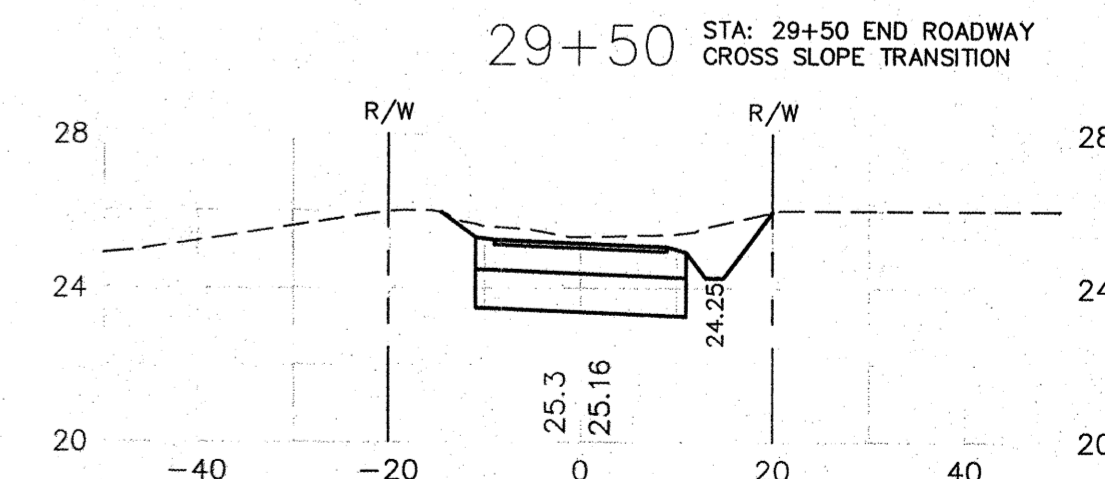
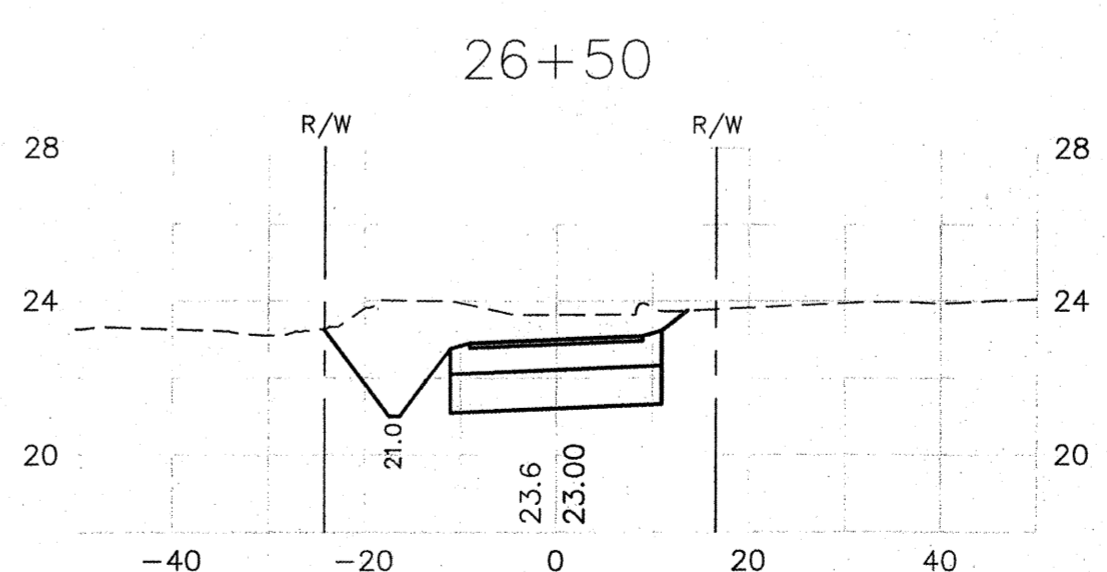
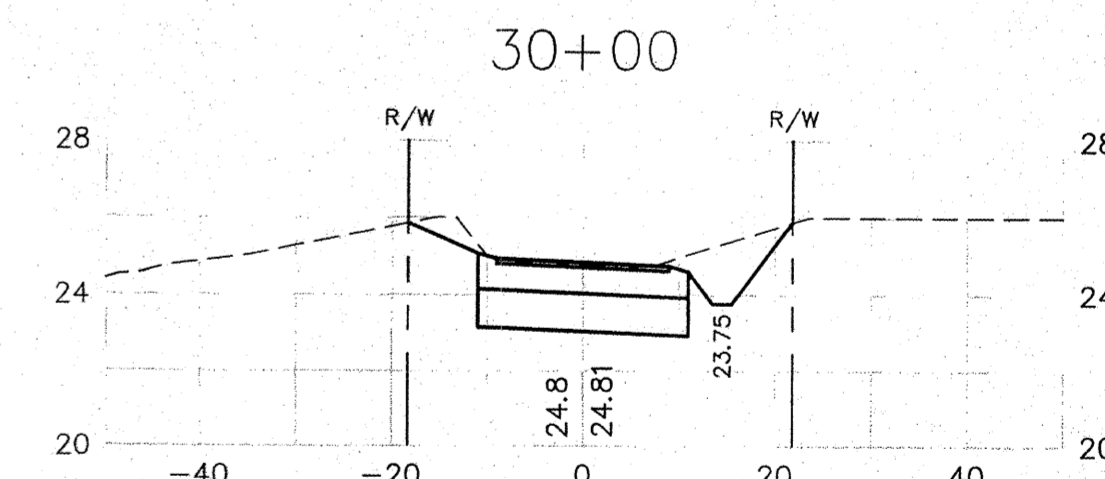
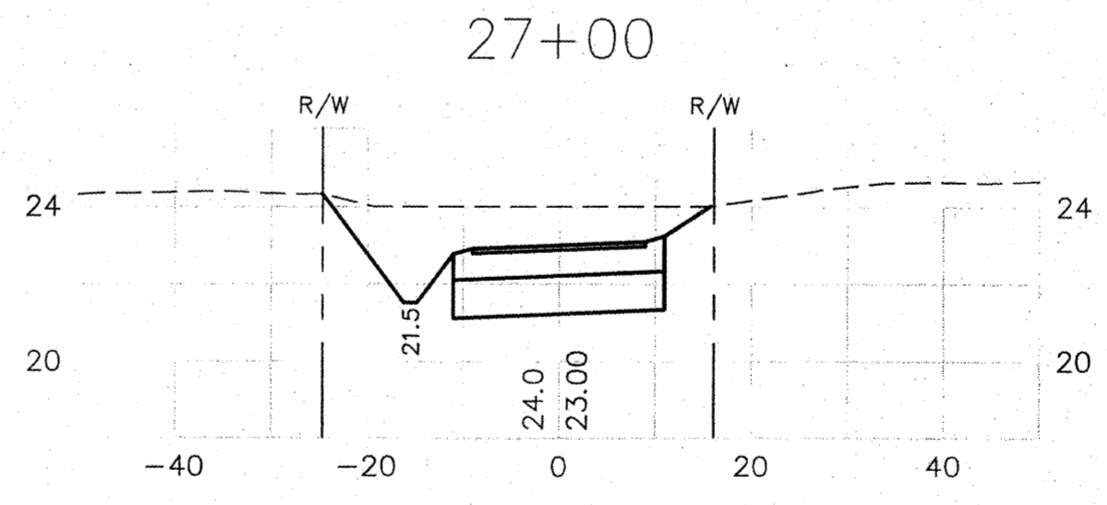
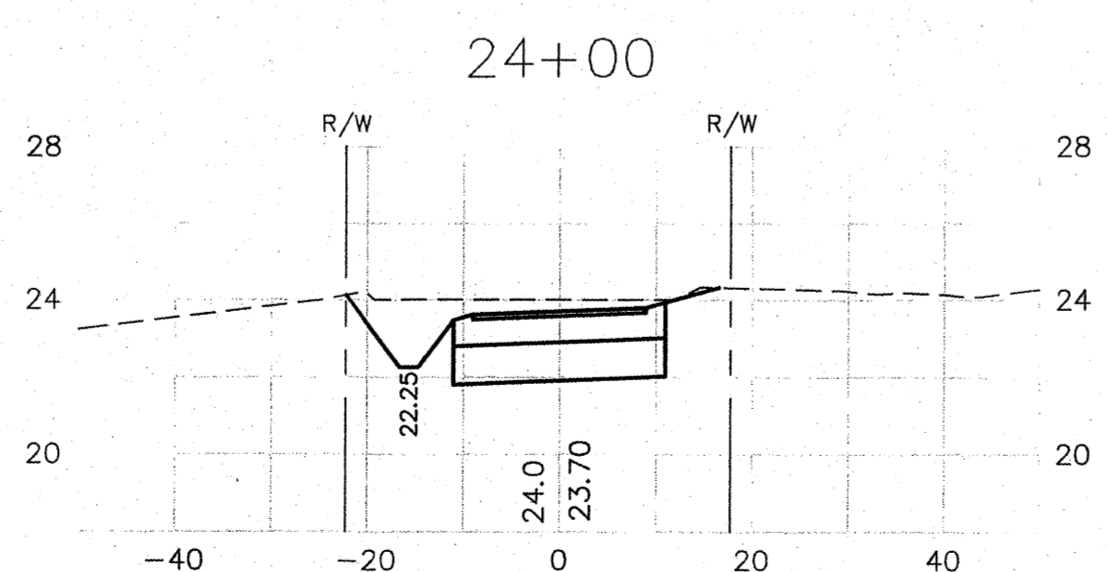
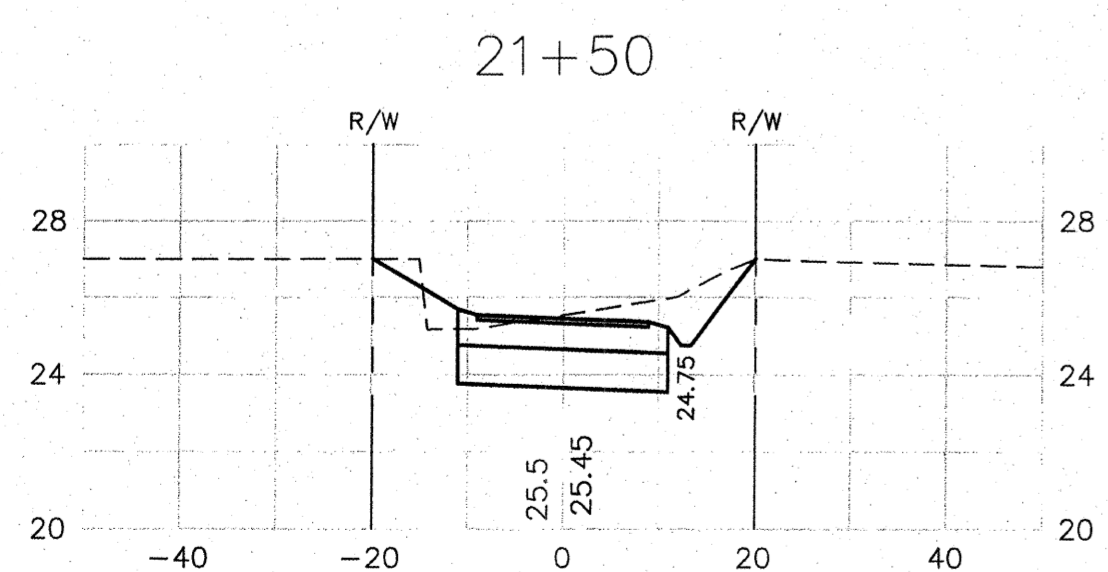
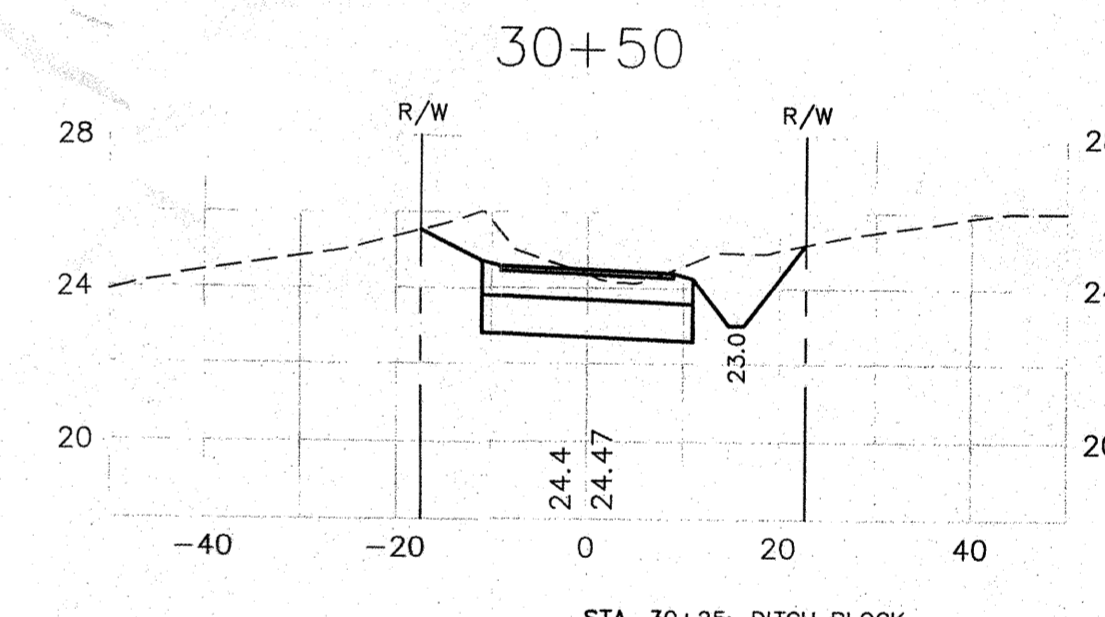
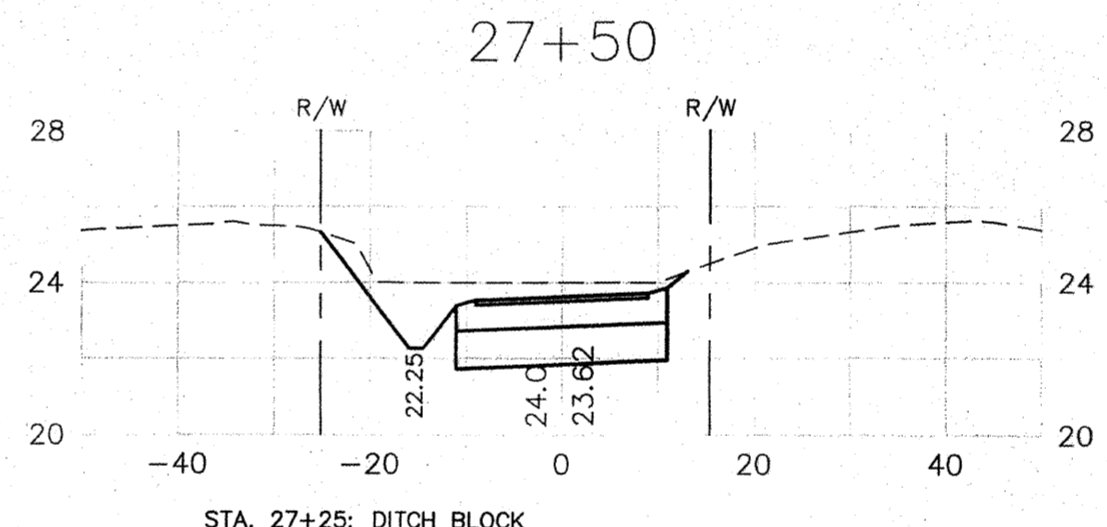
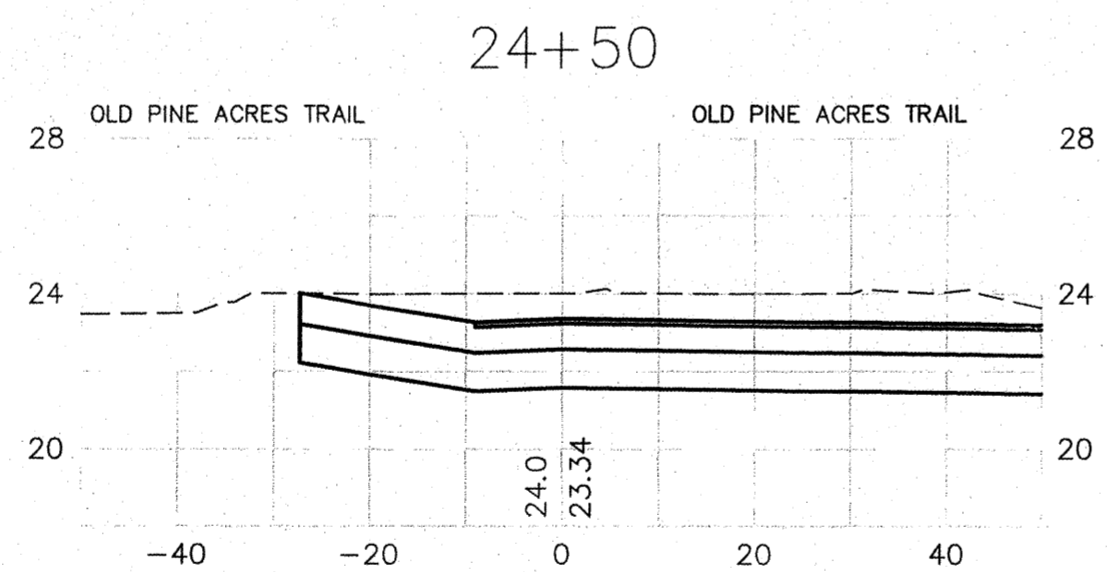
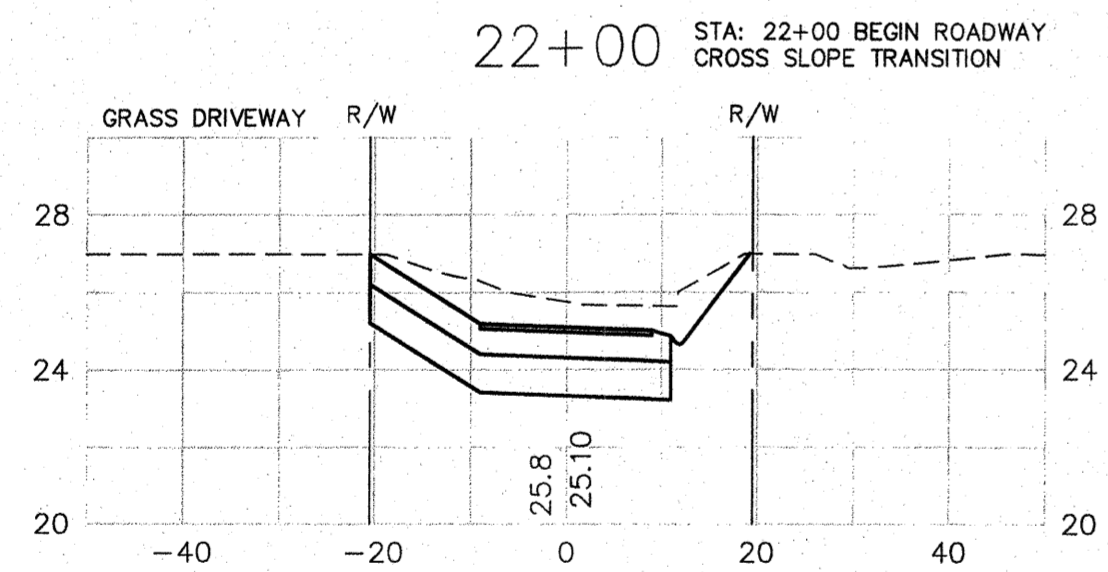
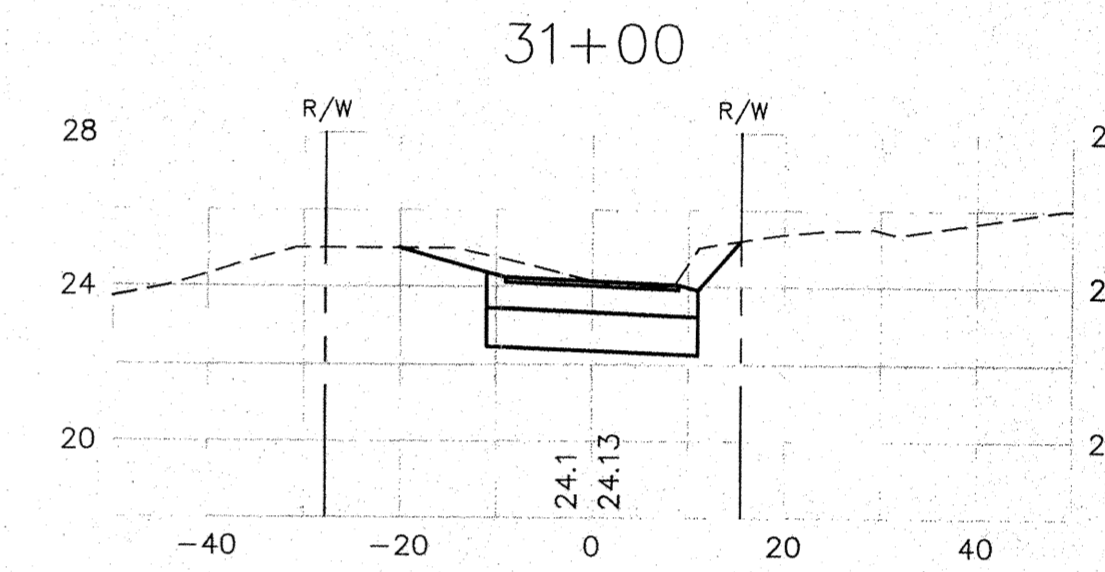
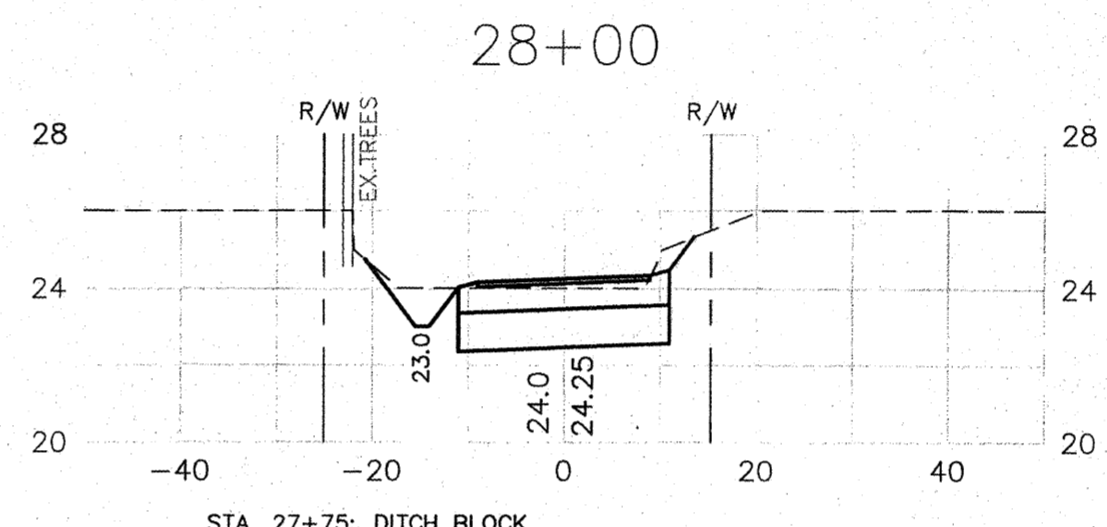
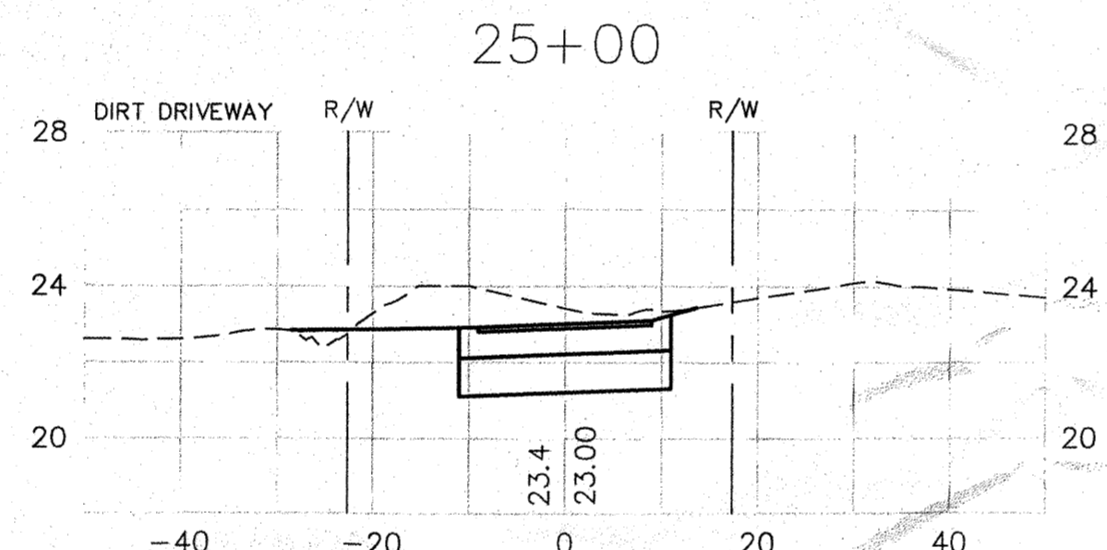
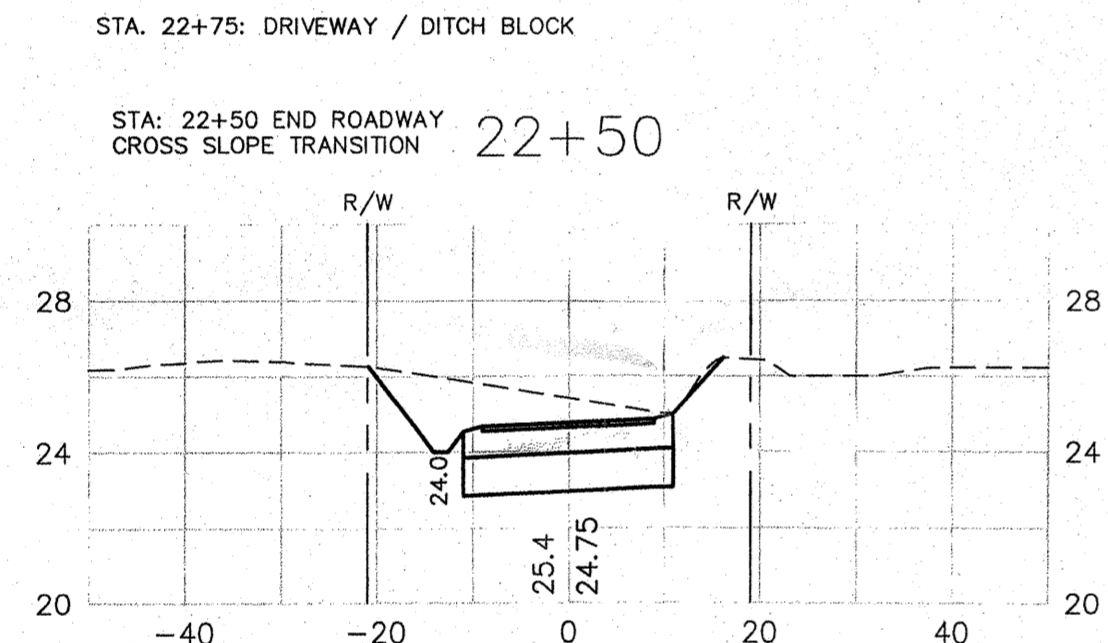
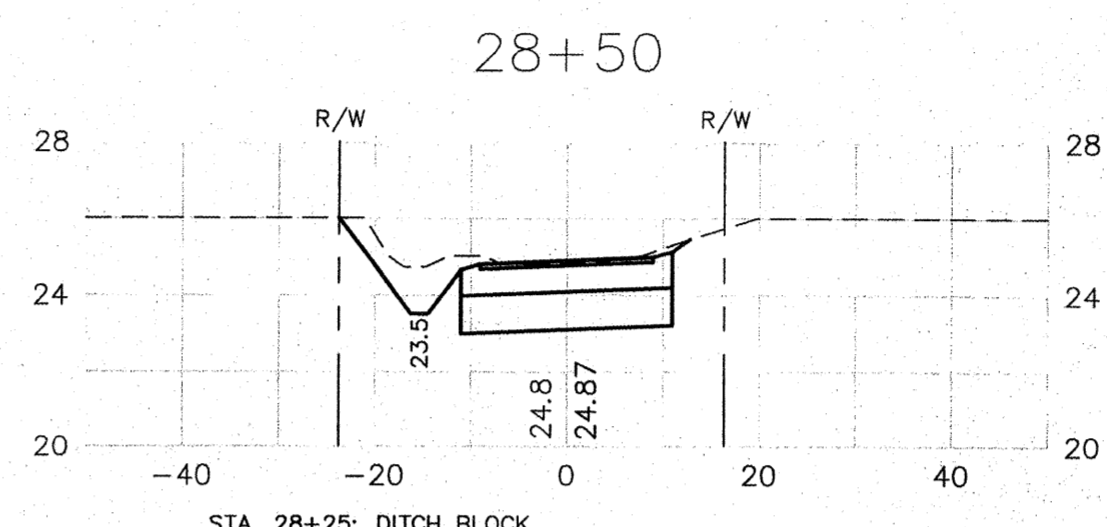
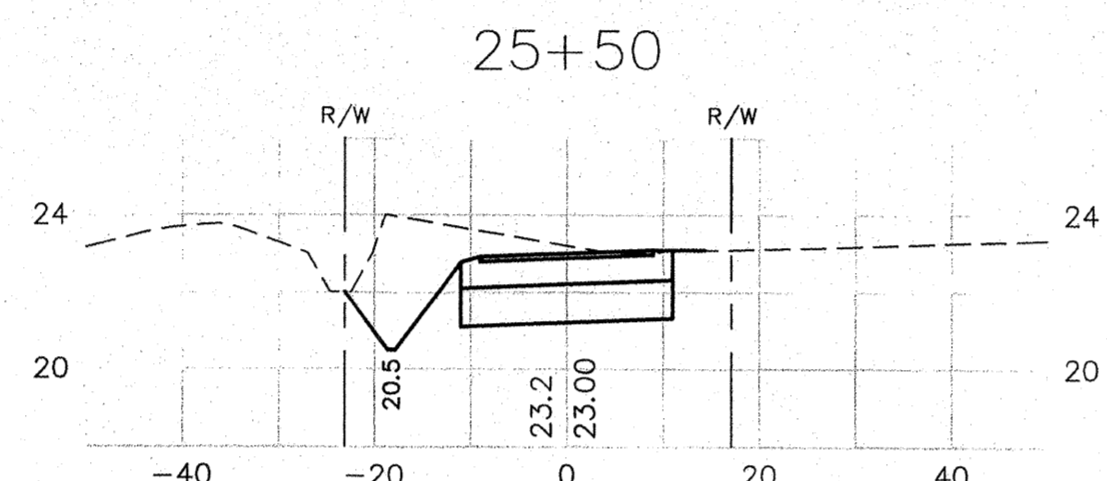
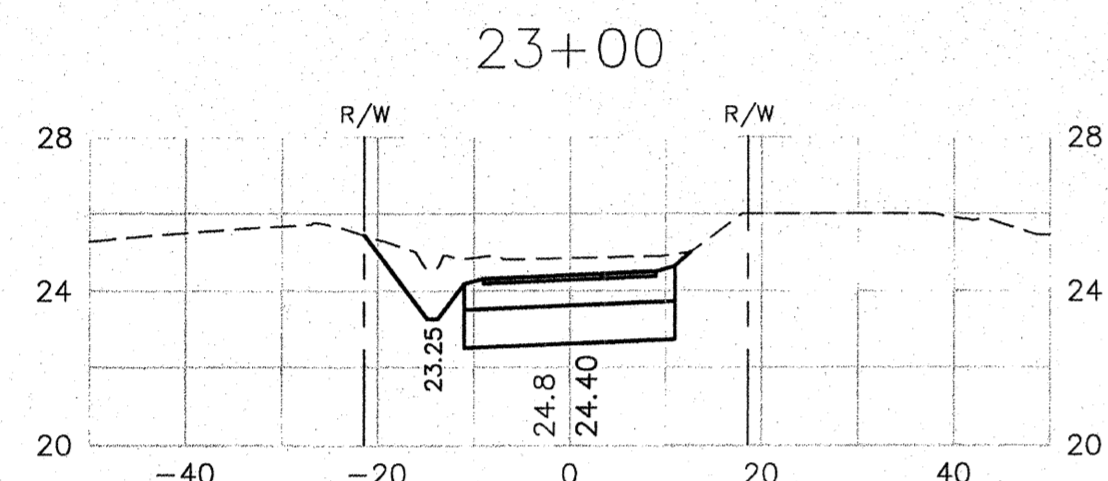
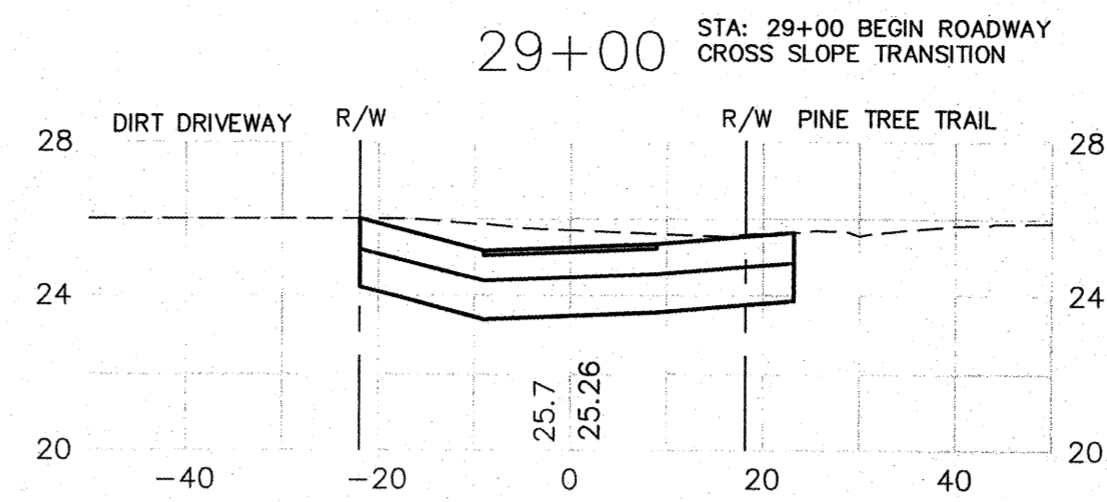
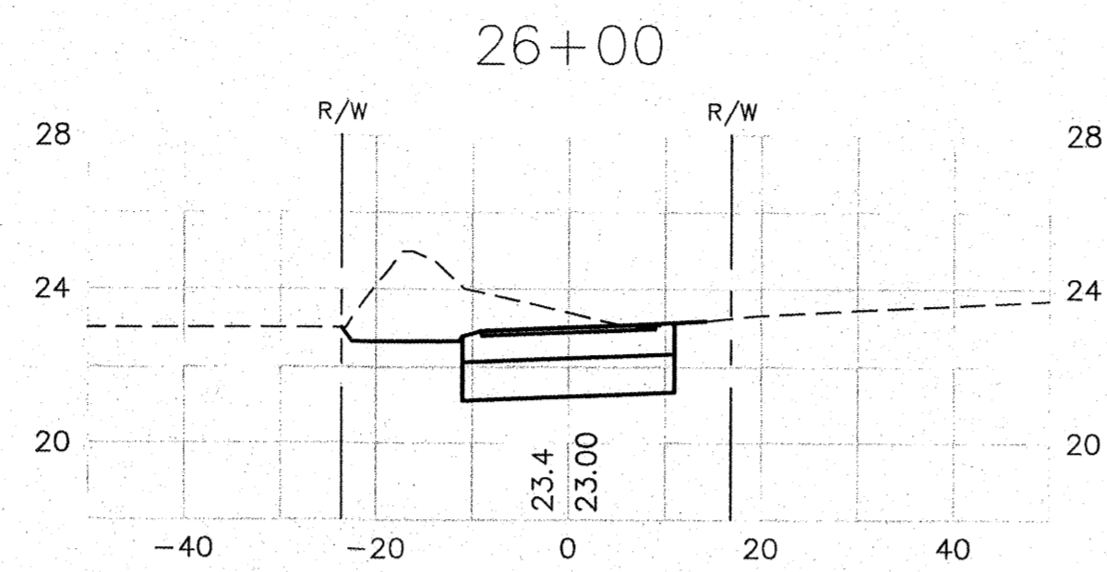
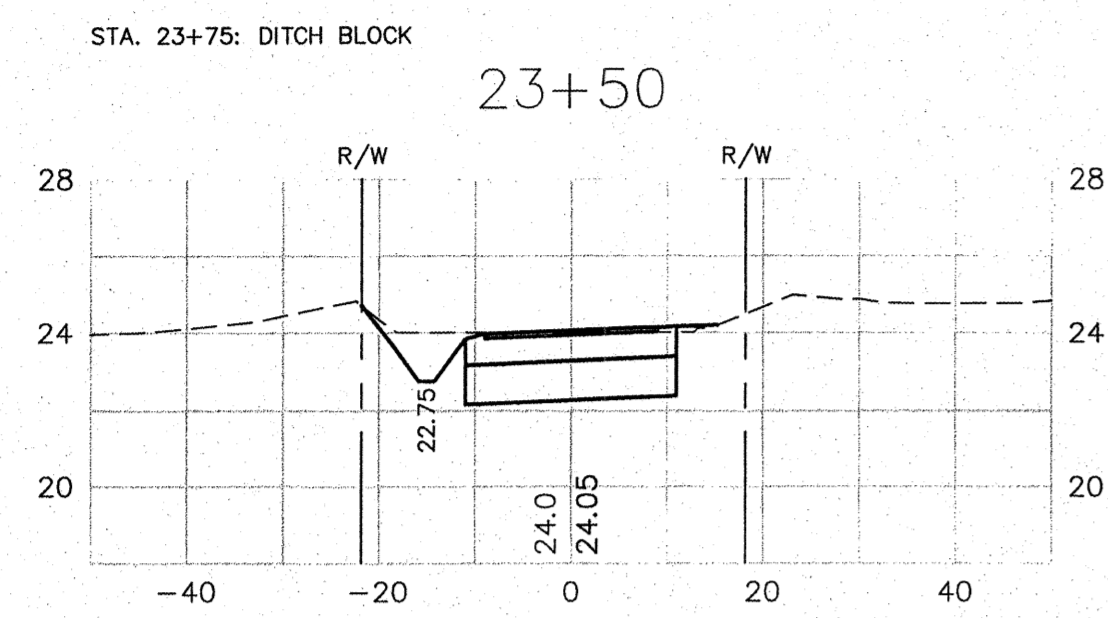
WILLIAM K. JOHNSON  
 P.E. NO. 41040

Signature: *William K. Johnson*  
 NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100018237

DRAWN MR  
 DESIGNED WKJ/MR  
 CHECKED WKJ  
 QC MAS

SHEET 10



0 10' 20'  
SCALE: 1"=20' HORIZ. 1"=5' VERT.

User: 11554  
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2639 N. Monroe St. Building C - Tallahassee, Florida 32303 - 850.575.1800  
FBPR Certificate of Authorization No. 24

CLIENT

LEON  
FLORIDA'S CAPITAL COUNTY

PROJECT

SELENA RD

TASK

CROSS SECTIONS

ORIGINAL	JUNE 15, 2011	6
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WILLIAM K. JOHNSON  
P.E. NO. 41040

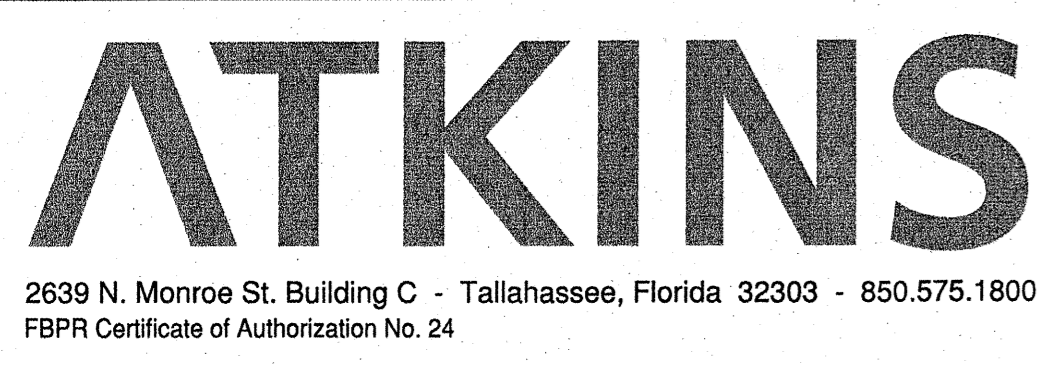
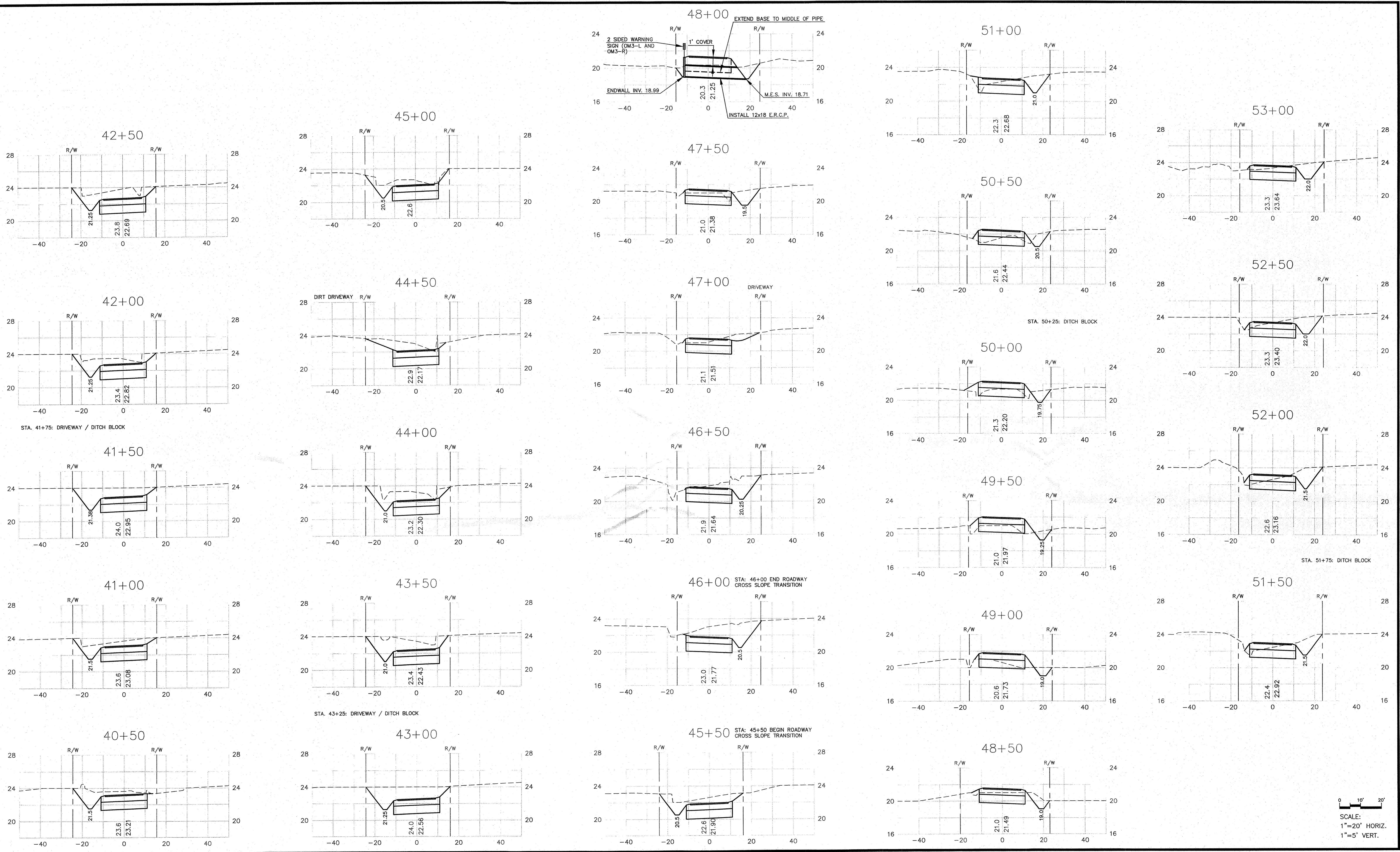
Signature Date

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JOB NO. 100018237  
DRAWN MR  
DESIGNED WKJ/MR  
CHECKED WKJ  
QC MAS

SHEET 11

User: 11554 H:\CIVIL\Selena-Rd\CDs\02-13-Base.dwg 06/15/2011 03:04:17 PM



PROJECT

**SELENA RD**

TASK

**CROSS SECTIONS**

ORIGINAL JUNE 15, 2011

REVISIONS:

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WILLIAM K. JOHNSON  
P.E. NO. 41040

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JOB NO. 100018237

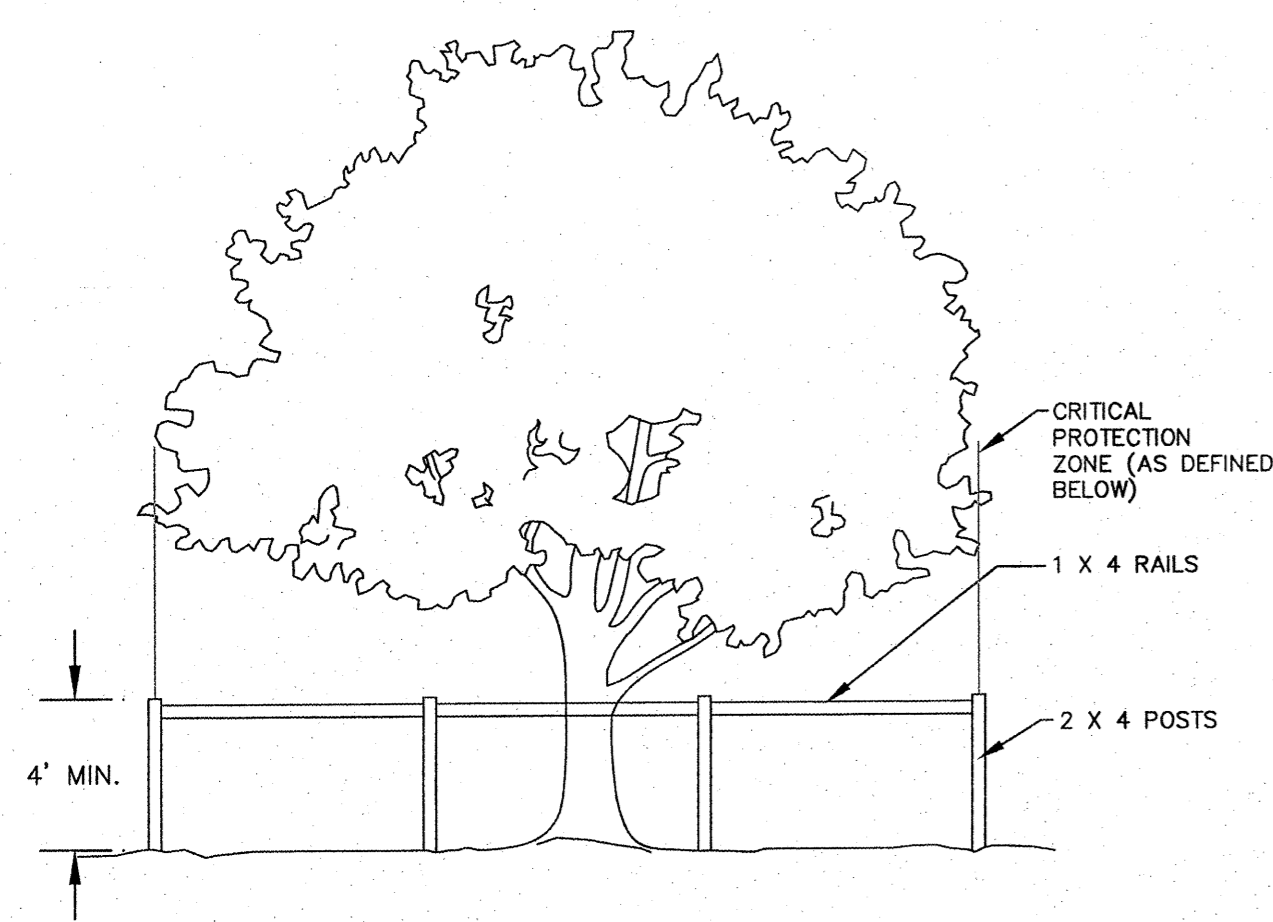
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DESIGNED WKJ/MR

CHECKED WKJ

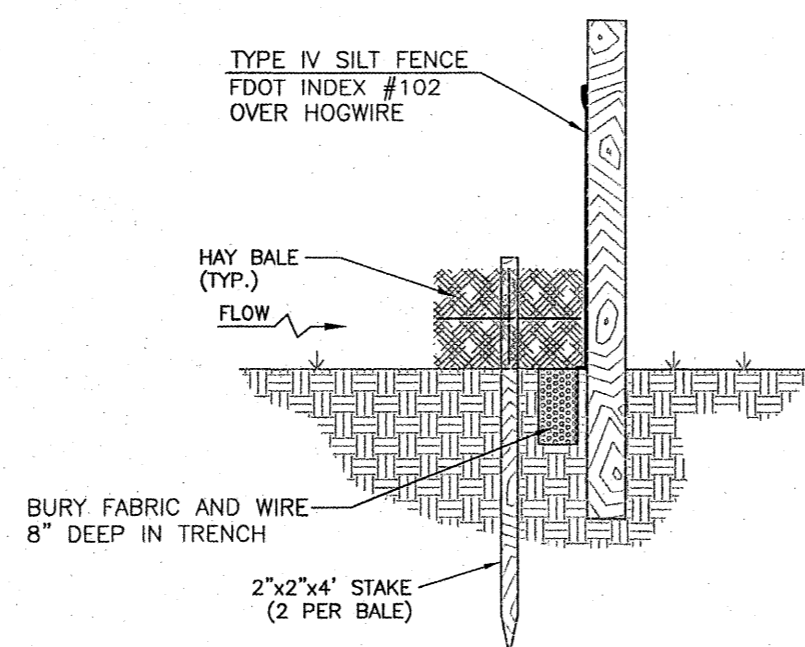
QC MAS

**SHEET 12**



**NOTES:**  
 THE TREE PROTECTION BARRICADE IS TO PREVENT DISTURBANCE OF THE CRITICAL PROTECTION ZONE (CPZ). THE C.P.Z. IS THAT AREA SURROUNDING A TREE WITH A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT BREAST HEIGHT. ANY ACTIVITY THAT ENCROACHES WITHIN THE C.P.Z. OF ANY TREE WILL REQUIRE DEBITS OR AN ARBORICULTURAL MITIGATION PLAN.  
 THE AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT.

1 TREE PROTECTION BARRICADE  
 13 NTS



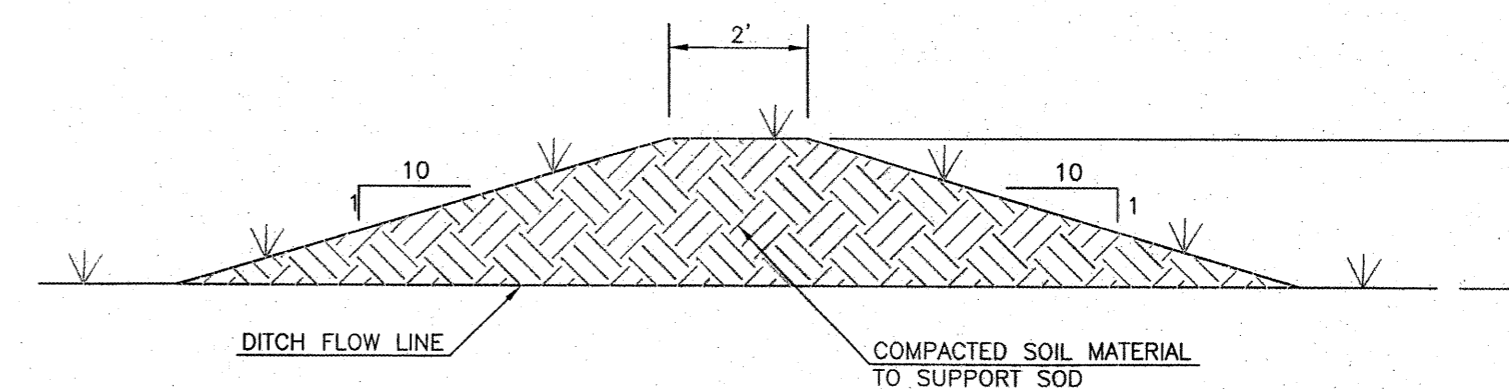
**MAINTENANCE NOTES:**  
 1. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.  
 2. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.  
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.  
 4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.  
 5. NO TRENCHING SHALL OCCUR WITHIN THE CRITICAL PROTECTION ZONE OF ANY PROTECTED OR DESIRABLE TREE.

2 STAKED TYPE IV SILT FENCE WITH HAY BALES  
 13 NTS

**SHEET FLOW APPLICATION: SILT FENCE**

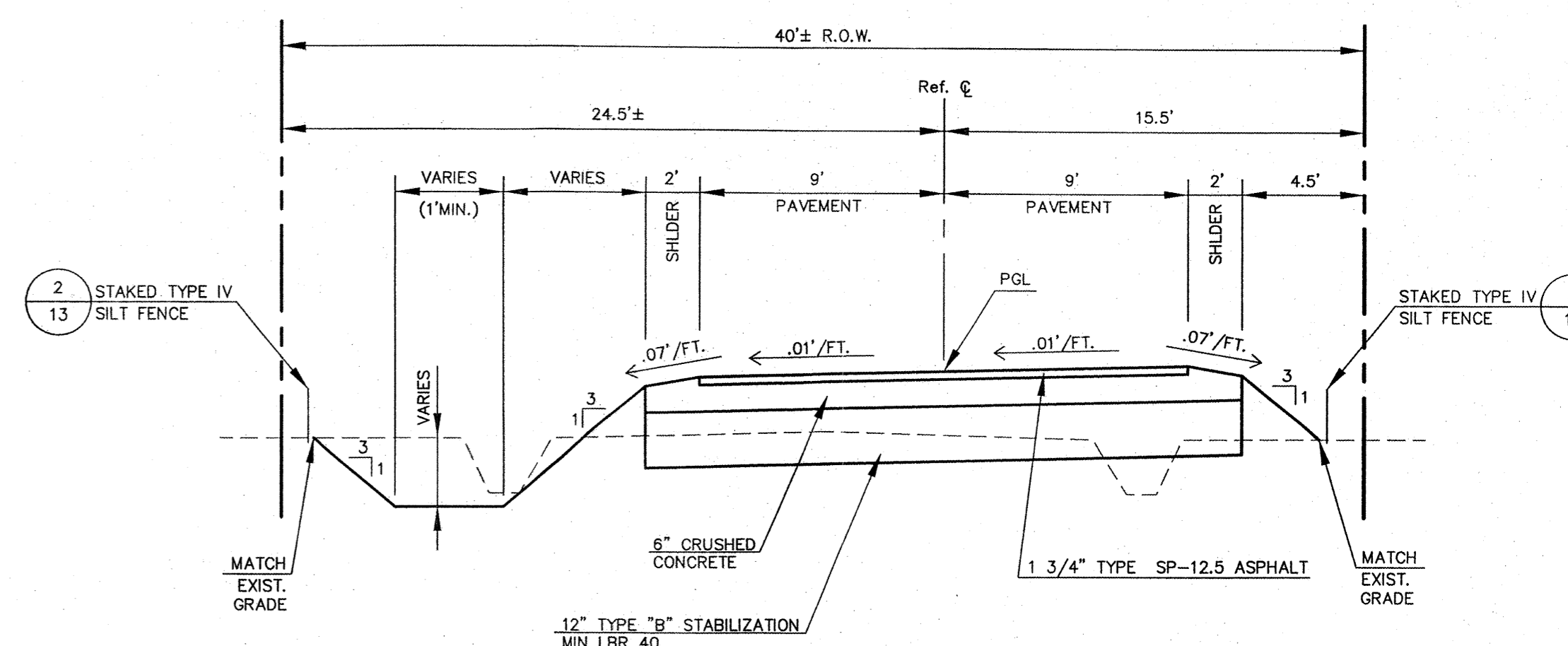
**GENERAL NOTES:**

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.
2. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED AS DESCRIBED IN ITEM NO. 8 BELOW.
3. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
4. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. TRENCHING SHALL NOT BE ALLOWED WITHIN THE CPZ OF TREES TO REMAIN.
5. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, THE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM NO. 6 APPLYING.
8. WHEN ATTACHING TWO SILT FENCES TOGETHER, PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS AT LEAST 180 DEGREES ON A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FILTER FABRIC. DRIVE BOTH POSTS INTO THE GROUND AND BURY THE FABRIC.
9. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
10. WHEN USED TO CONTROL SEDIMENTS FROM A STEEP SLOPE, SILT FENCES SHOULD BE PLACED AWAY FROM THE TOE OF THE SLOPE FOR INCREASED HOLDING CAPACITY.
11. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.



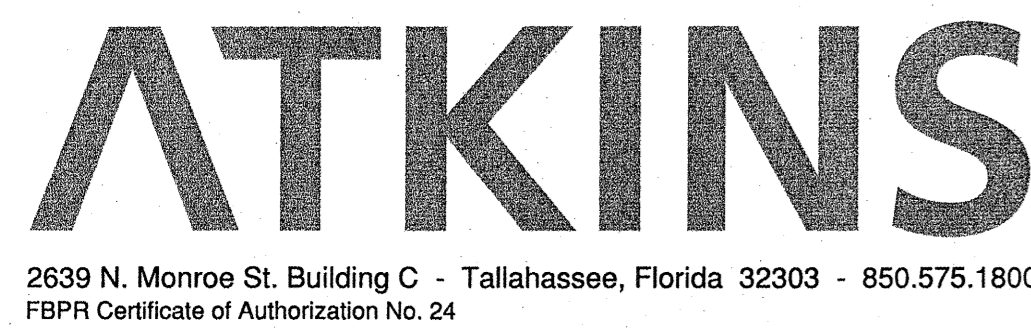
**NOTES:**  
 SOD ENTIRE BERM AND EXTEND SOD 2' MINIMUM EITHER SIDE.

3 TYPICAL DITCH BLOCK CROSS SECTION  
 13 NTS



TYPICAL SECTION  
 SCALE: 1"=5' HORIZ.  
 1"=2' VERT.

User: 11554  
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CLIENT



PROJECT

SELENA RD

TASK

CONSTRUCTION DETAILS AND TYPICAL SECTION

ORIGINAL JUNE 15, 2011

REVISIONS:

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WILLIAM K. JOHNSON  
 P.E. NO. 41040

*William K. Johnson*  
 Signature  
 NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 100018237  
 DRAWN MR  
 DESIGNED WKJ/MR  
 CHECKED WKJ  
 QC MAS

SHEET 13