DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
2170 SW Canal Street
Stuart, Florida 34997

REPLY TO
ATTENTION OF

25 March 2008

Regulatory Division
Special Projects and Enforcement Branch
SAJ-2007-4846(IP-AAZ)

Florida Department of Transportation
Attn: Mr. Jorges Corrales
3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309-3421

Dear Mr. Corrales:

Reference is made to your letter in which you requested to modify the Department of the Army permit number SAJ-2007-4846(IP-AAZ) issued to the Florida Department of Transportation on November 19, 2007. The original work included the widening of State Road 60 (Osceola Boulevard) from 82nd Avenue (milepost 23.923) to 66th Avenue (milepost 26.072) in Vero Beach. The project is located in waters of the United States adjacent to State Road 60 (Osceola Boulevard), Sections 1 and 2; Township 33 South; Range 38 East, Indian River County, Florida.

The original permit authorized impacts to 1.76 acres of roadside ditches to widen the roadway. In order to replace the loss of wetland function and value, the permittee provided offsite compensatory mitigation at the Banjo Groves Wetland Restoration Project. Your letter requests to modify the permit by expanding the road widening from 82nd Avenue (milepost 23.923) to 98th Avenue (milepost 22.389). The additional road widening project would impacts an additional 0.13 acre of freshwater roadside ditches by installing a culvert system.

To offset the loss of 0.13 acre of wood stork foraging habitat, the permittee shall provide an additional 0.026 functional units of lift at the Banjo Groves Wetland Restoration Project. Therefore, the Corps would modify special condition 7e of the original permit as follows:

7. **Mitigation:**

(e) Within 1 year of the commencement of construction, the permittee must provided proof, through utilizing the Unified Mitigation Assessment Method (UMAM), monitoring reports and as built certifications that 0.378 functional units of "Lift" have

been or will be generated by the restoration activities at Banjo Groves to off-set impacts. If the Corps is not satisfied that the proposed compensatory mitigation will provide 0.378 functional units of "Lift" the permittee must provide an alternative mitigation. The permittee shall submit a contingency plan that details corrective actions to be taken within 30 days of notification by the Corps or observation made by the permittee. The Corps reserves the right to fully evaluate, amend, and approve the contingency plan. Within 30 days of Corps approval, the permittee will execute the contingency plan in full.

The impacts of the modification on the environment have been evaluated and found to be insignificant. The permit is hereby modified as described with incorporation of the above special conditions and in the attached correspondences. All other conditions of the permit remain in effect. You should attach this letter and the enclosures to the permit. If you have any questions regarding this document, please contact Alisa Zarbo at the letterhead address, by telephone at 772-219-8418, or by email at Alisa.A.Zarbo@usace.army.mil.

Sincerely,

for Paul L. Grosskruger
Colonel, U.S. Army
District Engineer

Copy to:
CESAJ-RD-PE, Dianne Griffin

COMPONENTS OF CONTRACT PLANS SET

ROADWAY PLANS
SIGNING AND PAVEMENT MARKINGS
SIGNALIZATION PLANS
LIGHTING PLANS
LANDSCAPE PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-4	DRAINAGE MAP
5-6	TYPICAL SECTION
7-21	PLAN
22-26	PROFILE
27-42	DRAINAGE STRUCTURES
46-48	CROSS SECTIONS
	STORMWATER POLLUTION PREVENTION PLAN

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2006,
AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: T-1-09

FDOT DESIGN STANDARDS MODIFICATIONS CLICK ON "DESIGN STANDARDS" AT THE FOLLOWING WEBSITE:
HTTP://WWW.DOT.STATE.FL/RDDESIGN/

REVISIONS

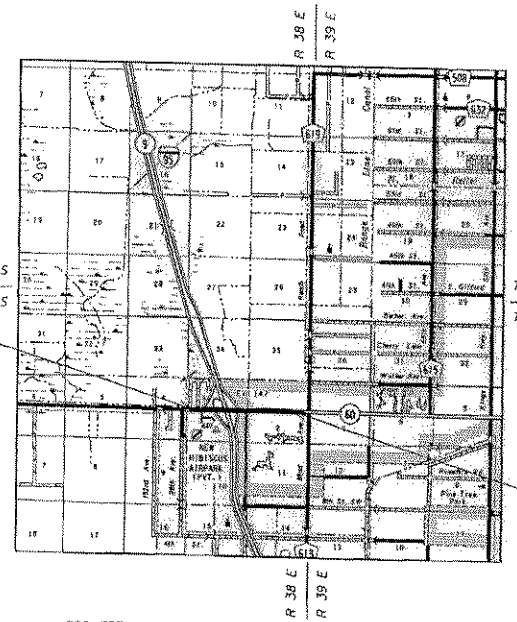
PERMITS ONLY
11/15/2007 7:54AM AM
NOT FOR CONSTRUCTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 228628-1-52-01
(FEDERAL FUNDS)
INDIAN RIVER COUNTY (88060)

STATE ROAD NO. 60

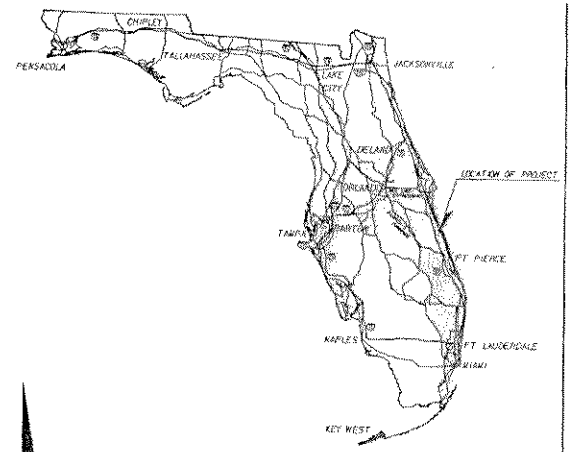


PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	8100	1.534
BRIDGES	NA	NA
NET LENGTH OF PROJECT	8100	1.534
EXCEPTIONS		
GROSS LENGTH OF PROJECT	8100	1.534

FDOT PROJECT MANAGER: SCOTT J. PETERSON, P.E.



N

0 1 2
Miles

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

BILL HARDY
DISTRICT 4 STRUCTURES OFFICE
3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL 33309

PLANS PREPARED BY:

MAY CHENG
HUMBERTO ARRIETA
DISTRICT 4 ROADWAY DESIGN OFFICE
3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL 33309

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS

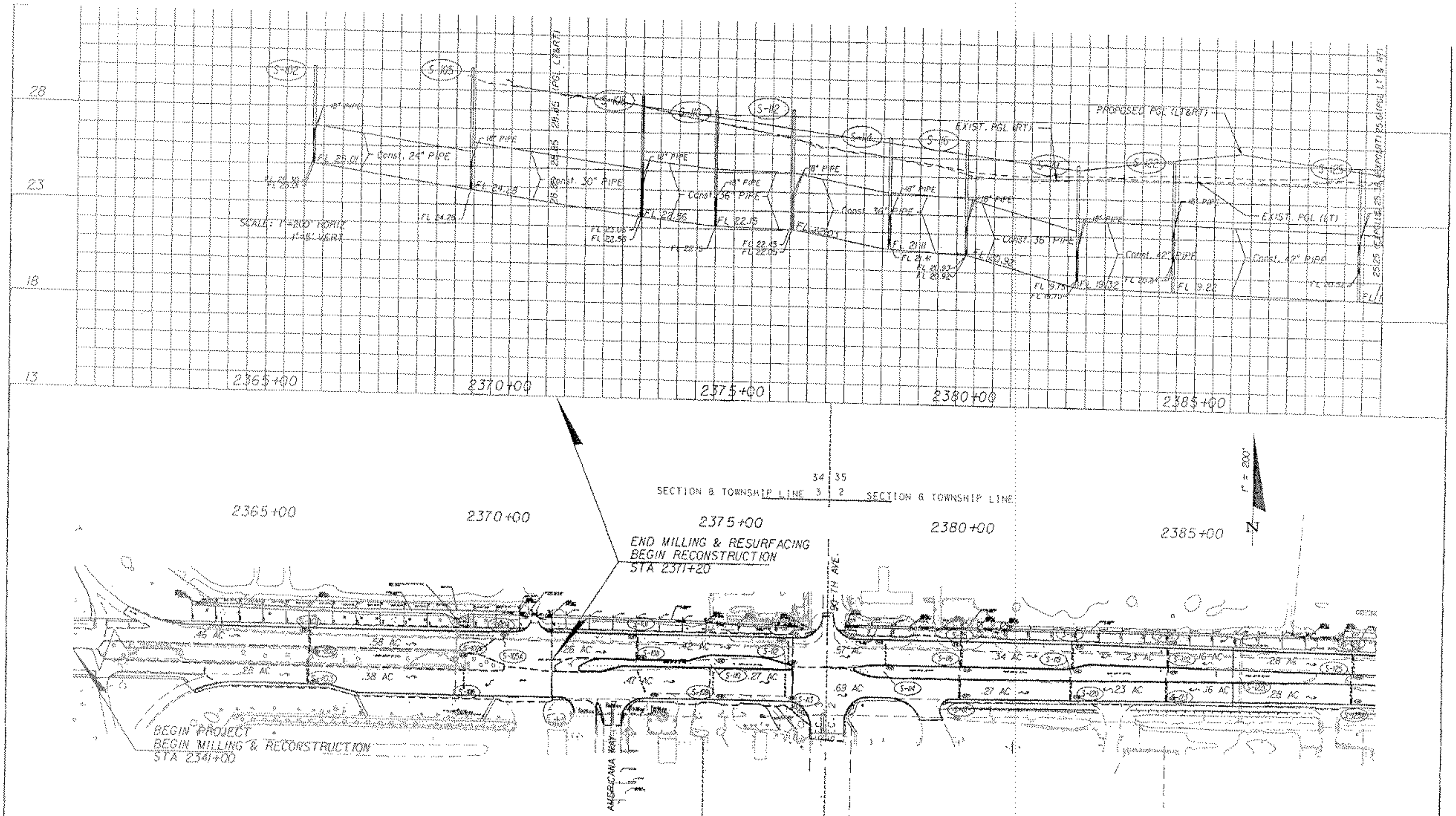
DATE	BY	DESCRIPTION

DESIGN PROJECT ENGINEER: MAY CHENG, P.E.

ROADWAY PLANS
ENGINEER OF RECORD: SCOTT J. PETERSON

P.E. NO.: 52740

FISCAL YEAR	SHEET NO.
09	1



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. This sheet is in the plans for documentation and to assist construction personnel with drainage concerns.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

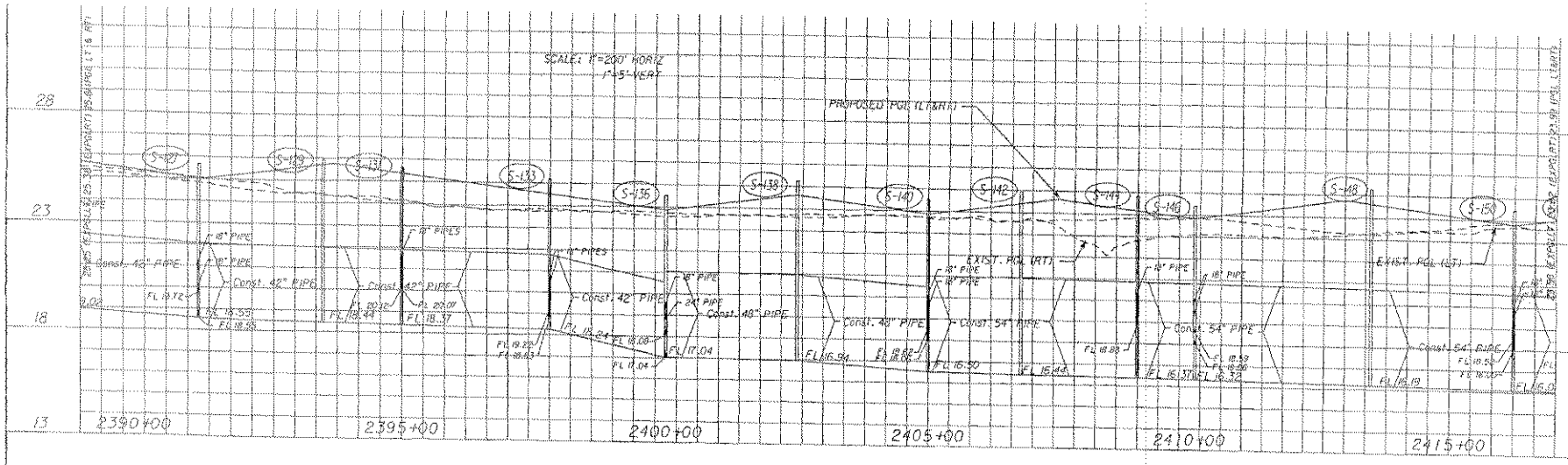
ENGINEER OF RECORD:
SCOTT J. PETERSON, P.E. #52740
3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL. 33309

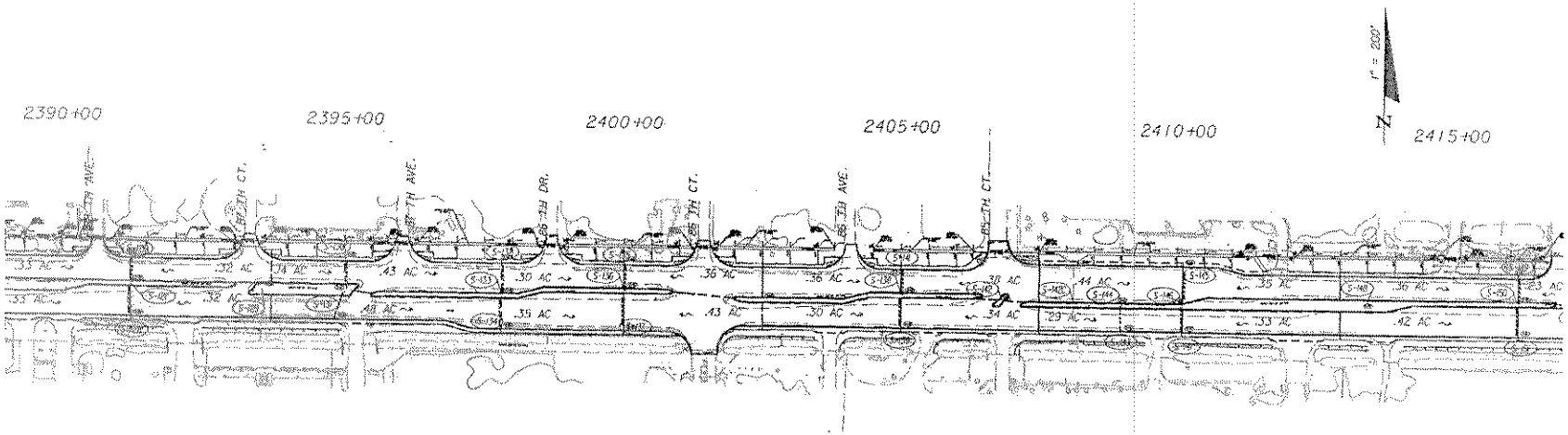
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

DRAINAGE MAP

SHEET NO. 2





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SEC. 2
TWP 35 S
RGE 38 E

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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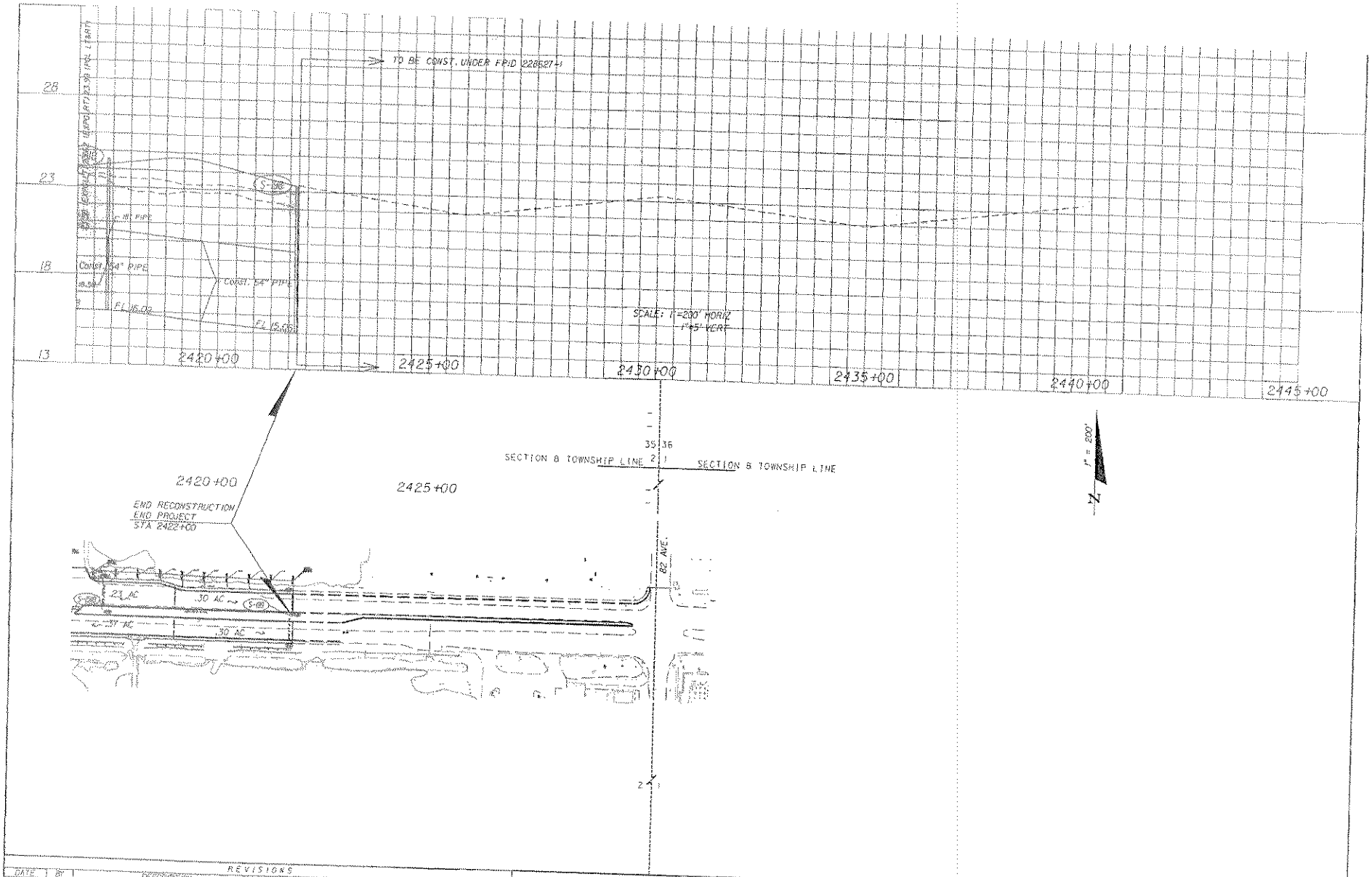
3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL. 33309

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

DRAINAGE MAP

SHEET NO. 3



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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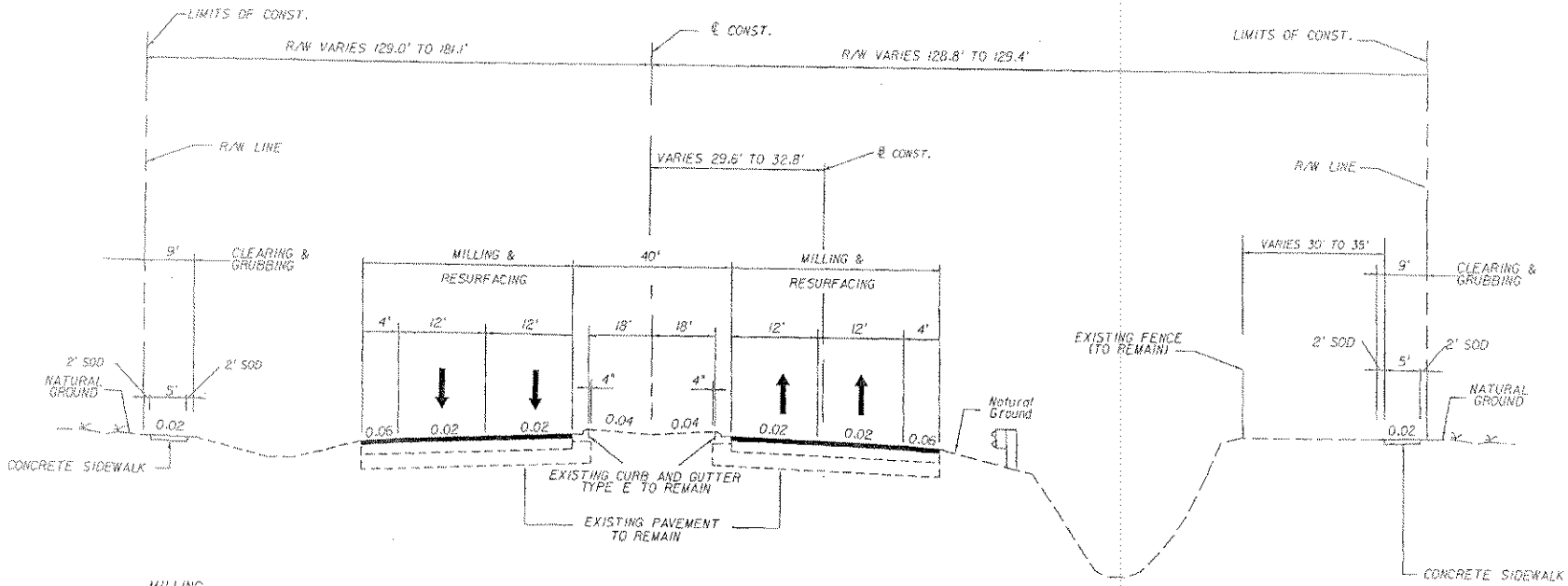
DRAINAGE MAP

SHEET NO. 4



TYPICAL SECTION

SR 60

STA. 2341+00 TO STA. 2371+20

MILLING

MILL EXISTING ASPHALT PAVEMENT (1.5" AVG. DEPTH)

RESURFACING

FC-12.5 (TRAFFIC C)(1.5")

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9, WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1.5")
AND FRICTION COURSE FC-12.5 (TRAFFIC C)(1.5")

WIDENING

OPTIONAL BASE GROUP 12 (TYPE B-12.5), WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C)(1.5")
AND FRICTION COURSE FC-12.5 (TRAFFIC C)(1.5")

PERMITS ONLY
$DATE$ $TIME$
NOT FOR CONSTRUCTION

TRAFFIC DATA
℄ STA. 2341+00 TO STA. 2422+00

CURRENT YEAR ESTIMATE = 2006 AADT = 25400
OPENING YEAR ESTIMATE = 2011 AADT = 27000
DESIGN YEAR ESTIMATE = 2033 AADT = 34500
K = 9.6 % D = 54.2 % T = 11.6 % (24 HOUR)
DESIGN HOUR T = 5.8 %
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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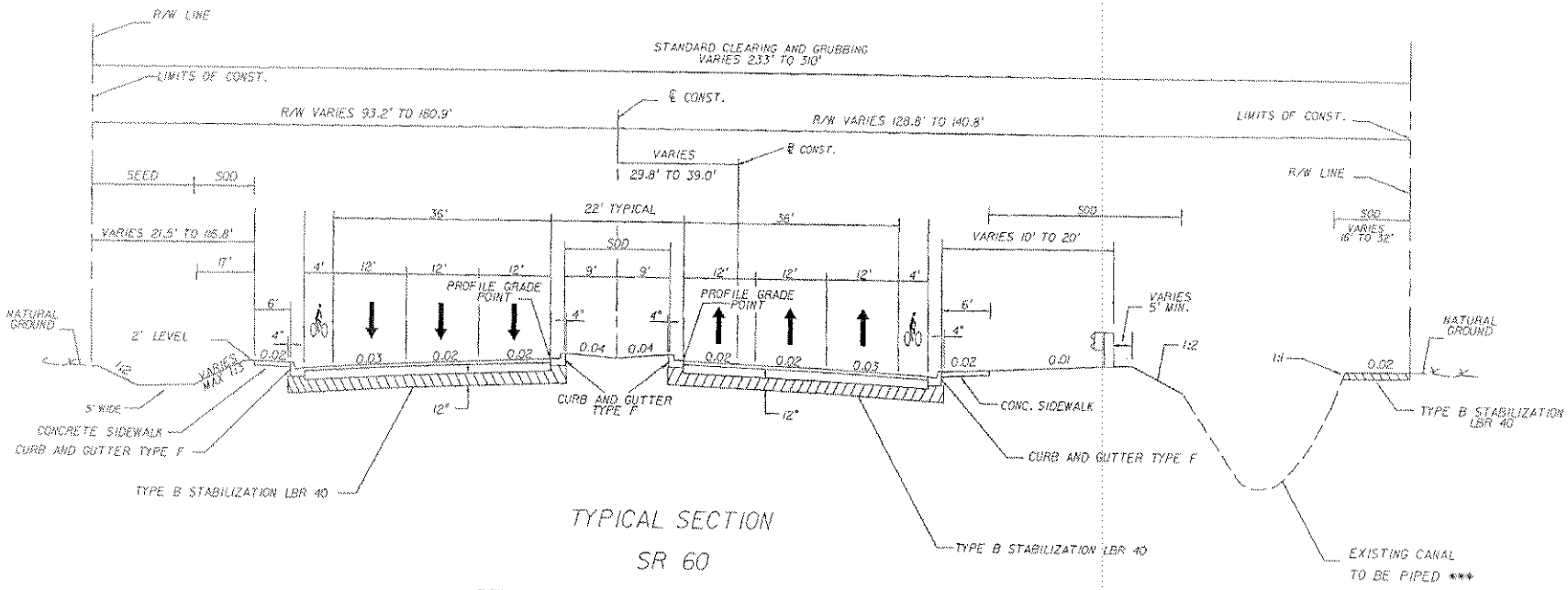
3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL. 33309

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

TYPICAL SECTION

SHEET NO. 5

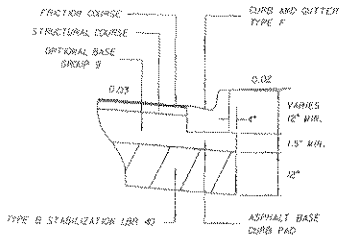


TYPICAL SECTION

SR 60

STA. 2371+20 TO STA. 2422+00

*** CANAL TO BE PIPED FROM STA. 2395+40 TO STA. 2401+20



DETAIL OF ASPHALT BASE CURB PAD

PERMITS ONLY
$DATE$ $TIME$
NOT FOR CONSTRUCTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
SCOTT J. PETERSON, P.E. #52740
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FT. LAUDERDALE, FL. 33309

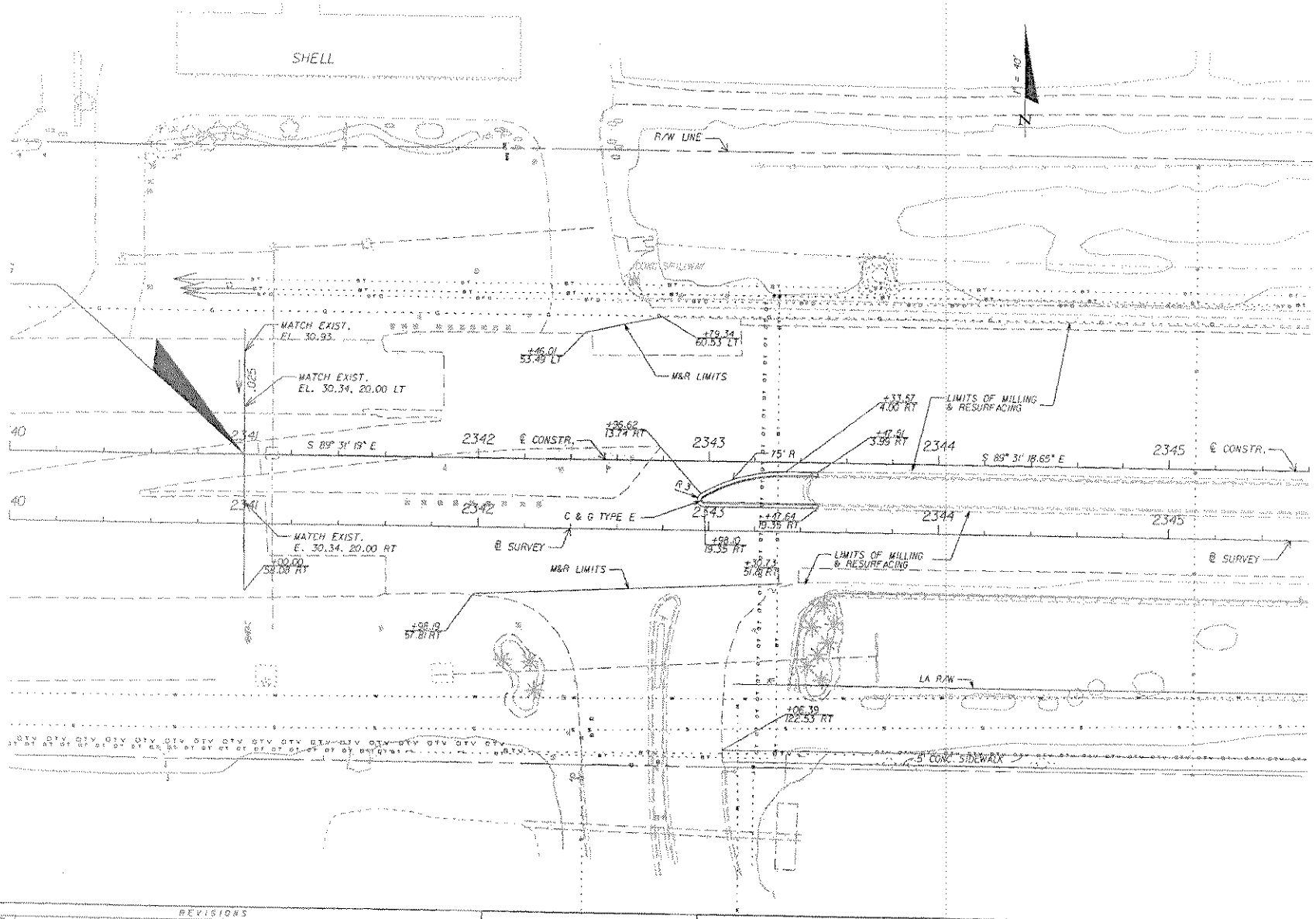
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

$USER$ $DATE$ $TIME$ $FILE$

TYPICAL SECTION

SHEET NO. 6



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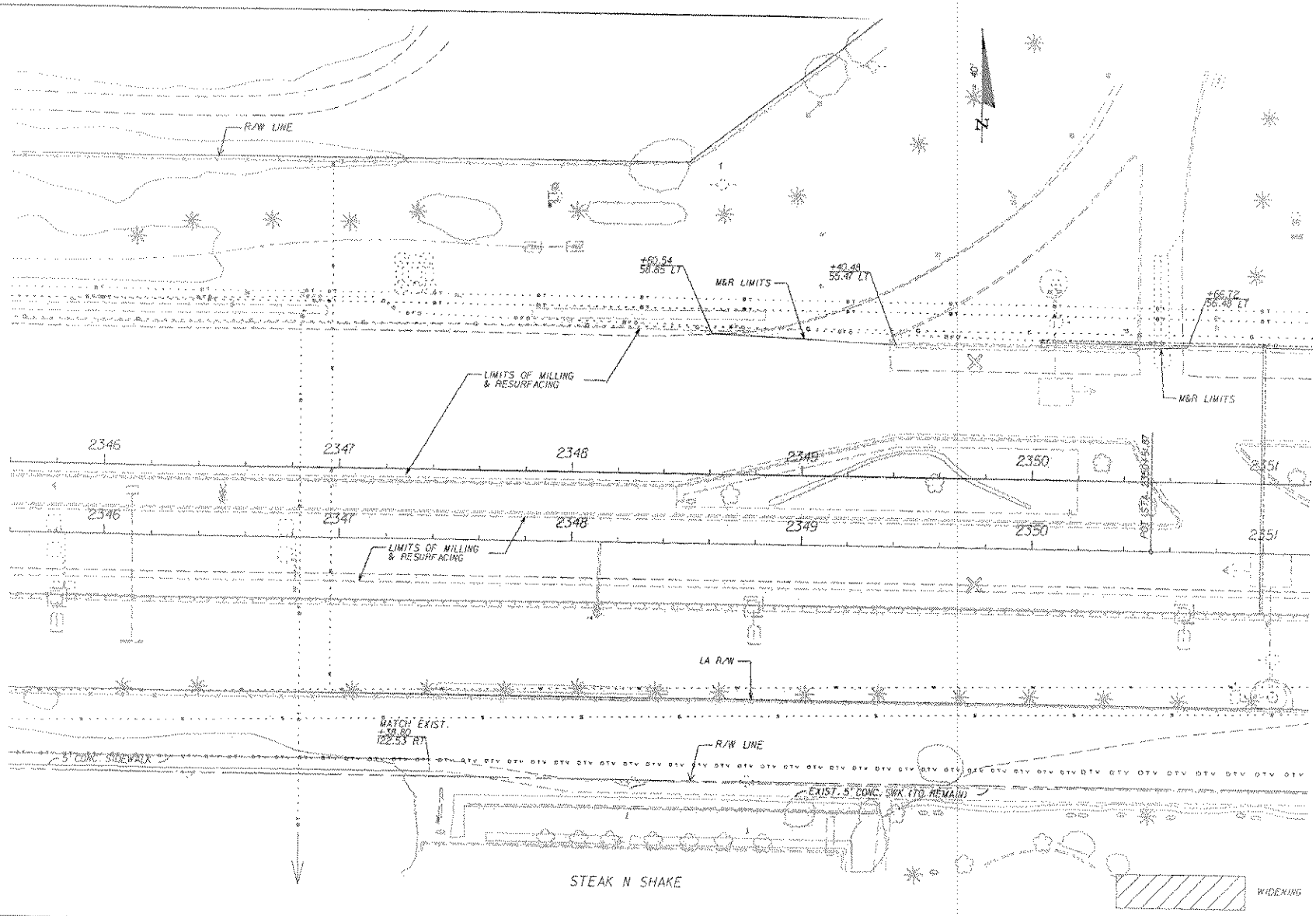
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	22862B-1-52-01

PLAN

SHEET NO. 7



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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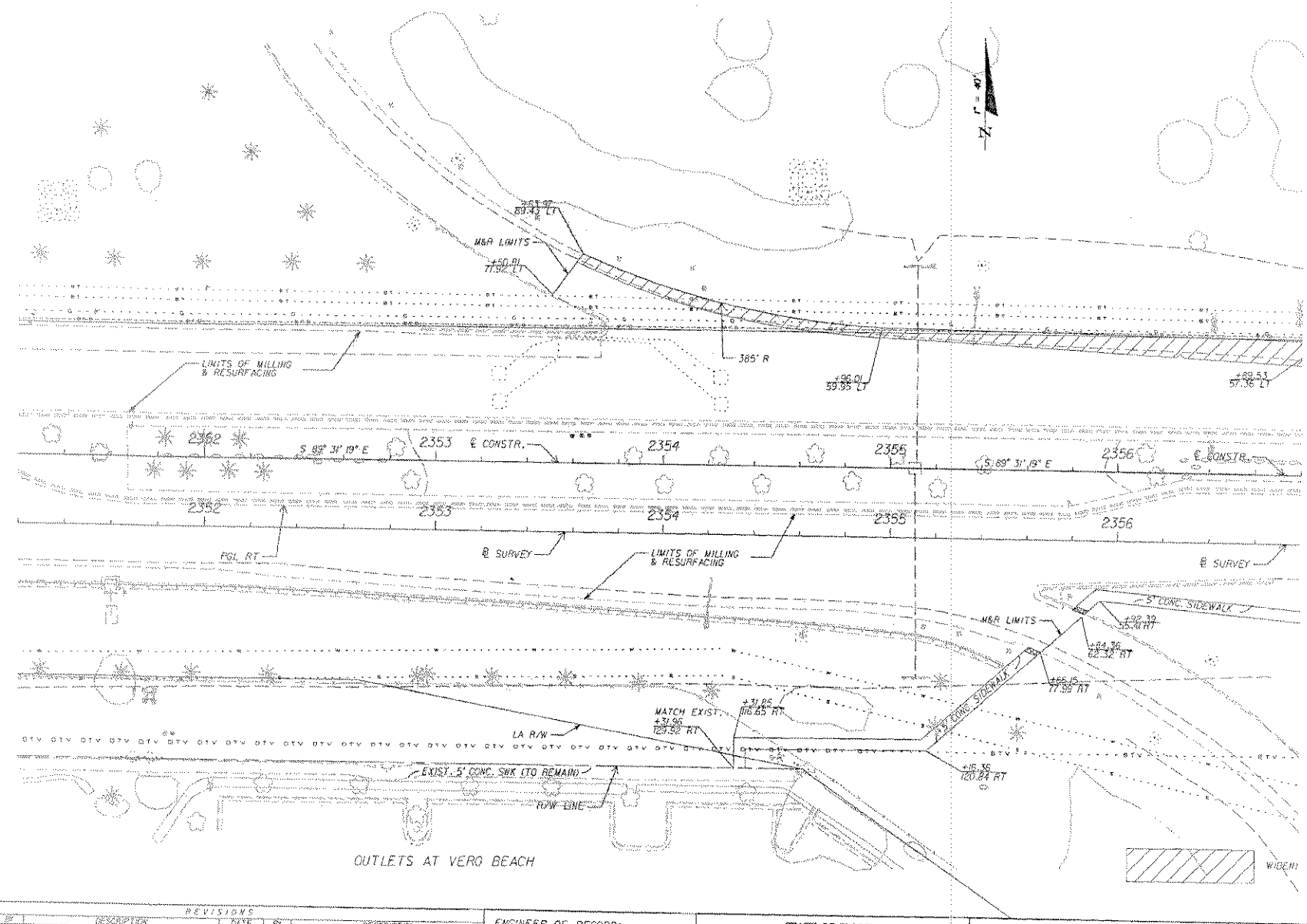
PLAN

SHEET NO. 8



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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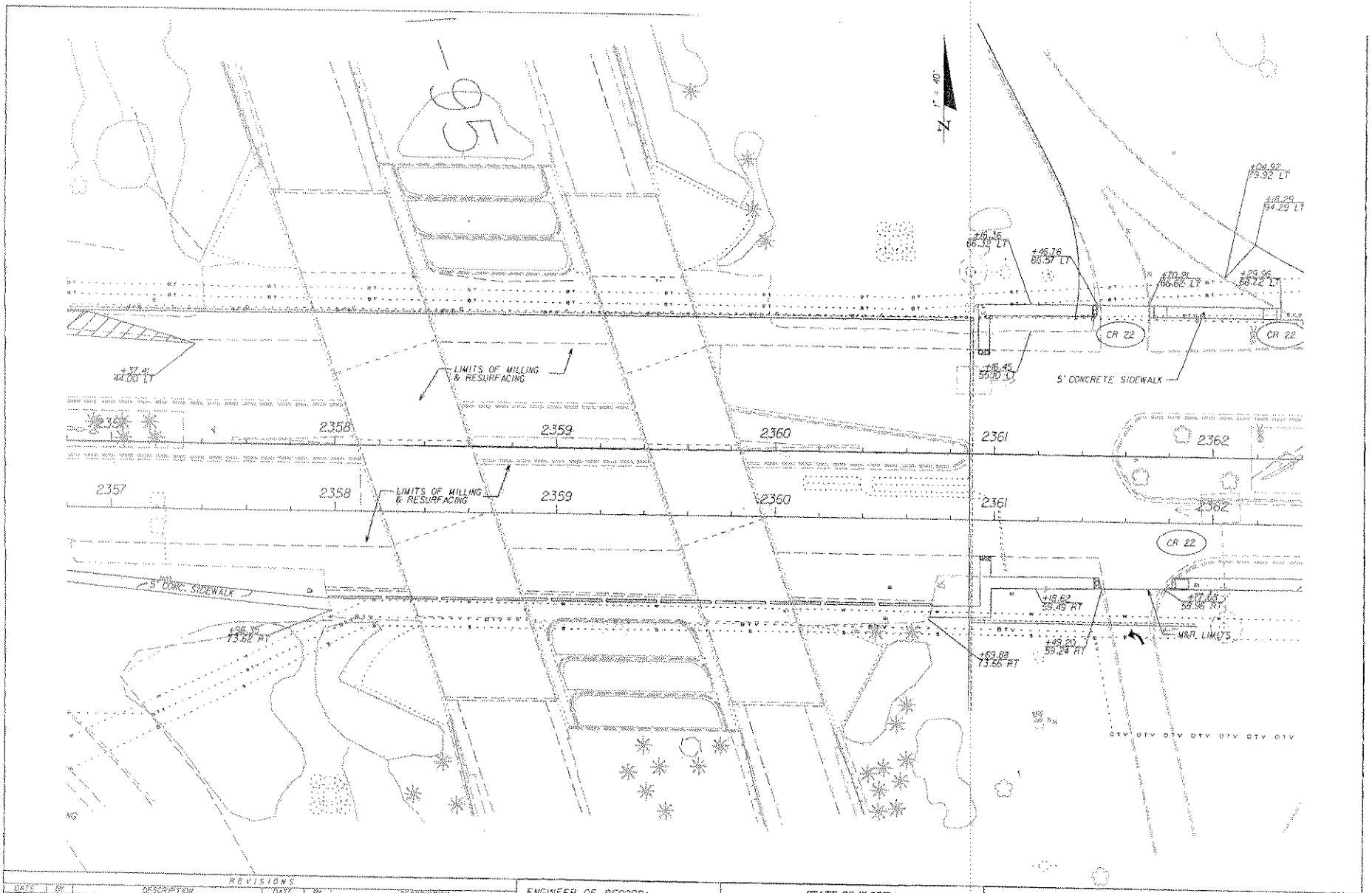
PLAN

SHEET NO. 9



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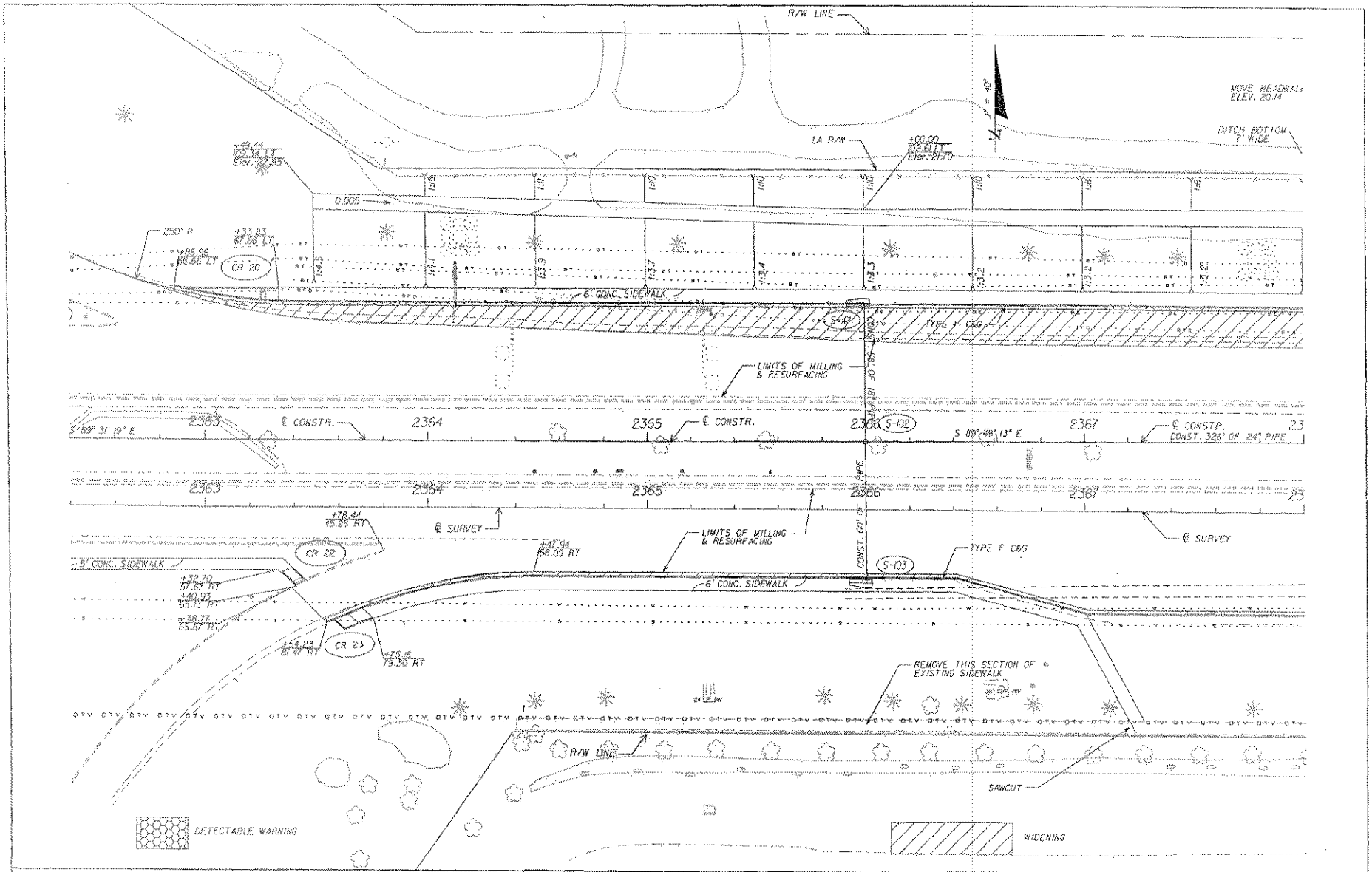
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 10



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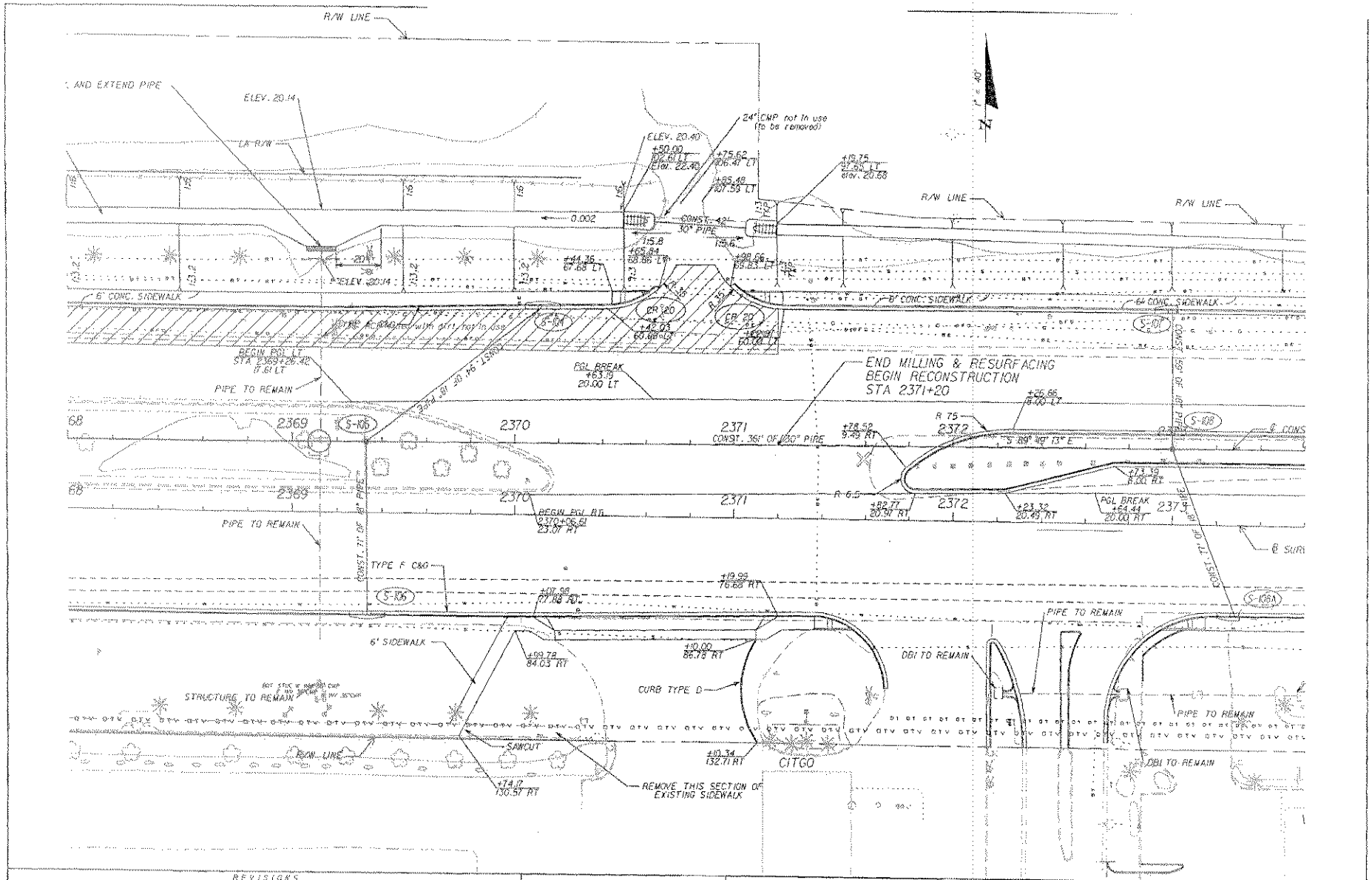
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 11



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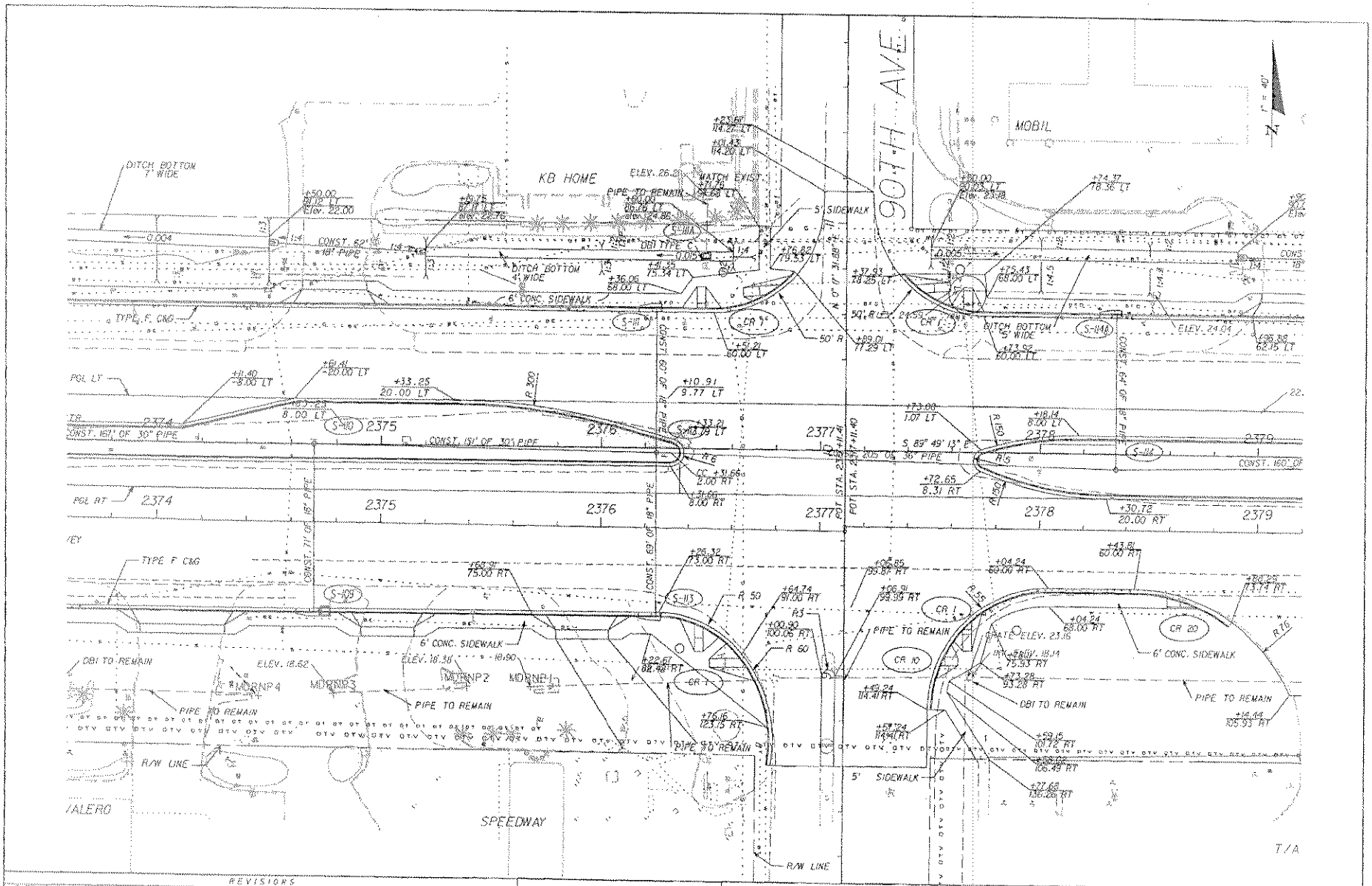
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 12



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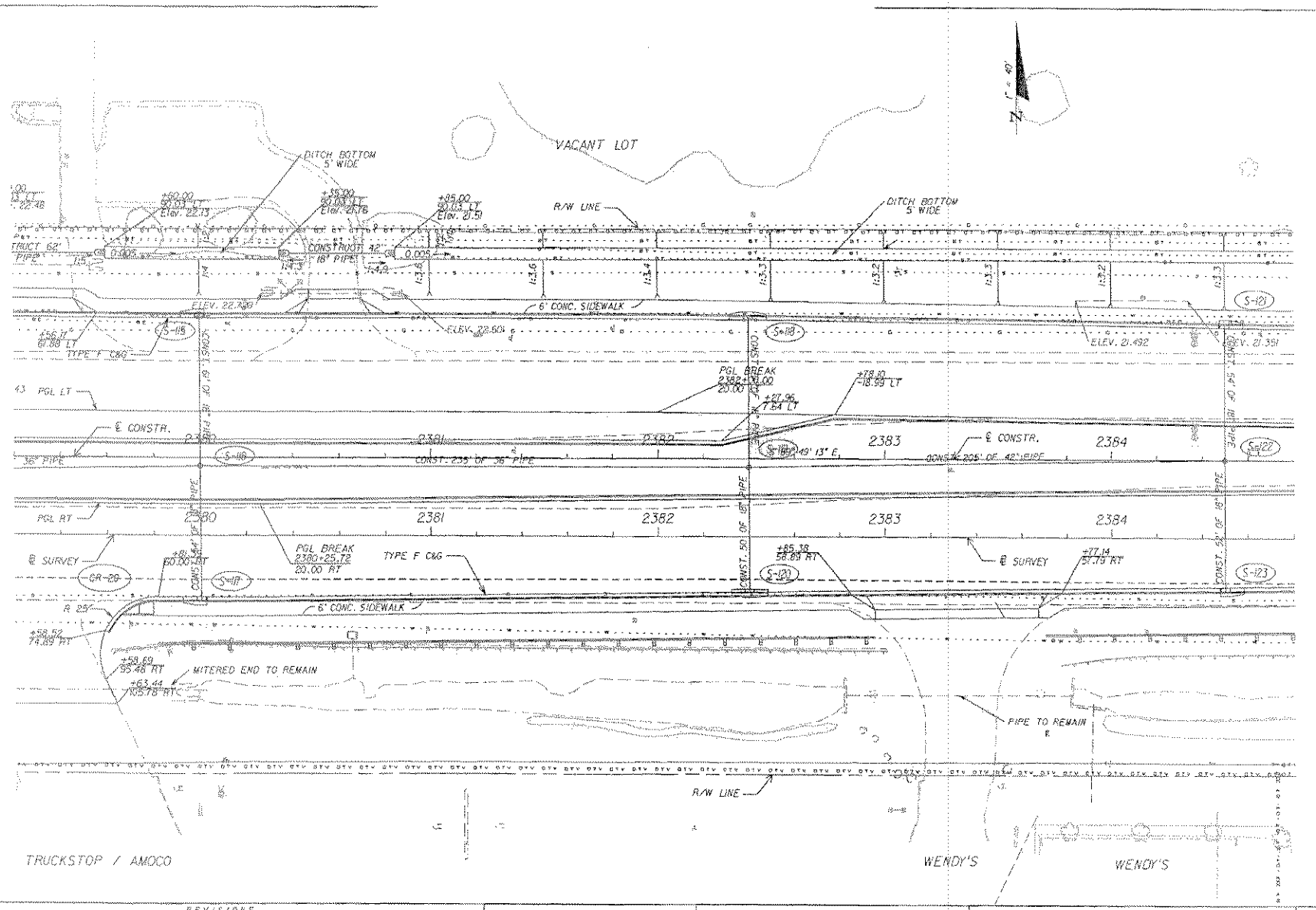
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 13



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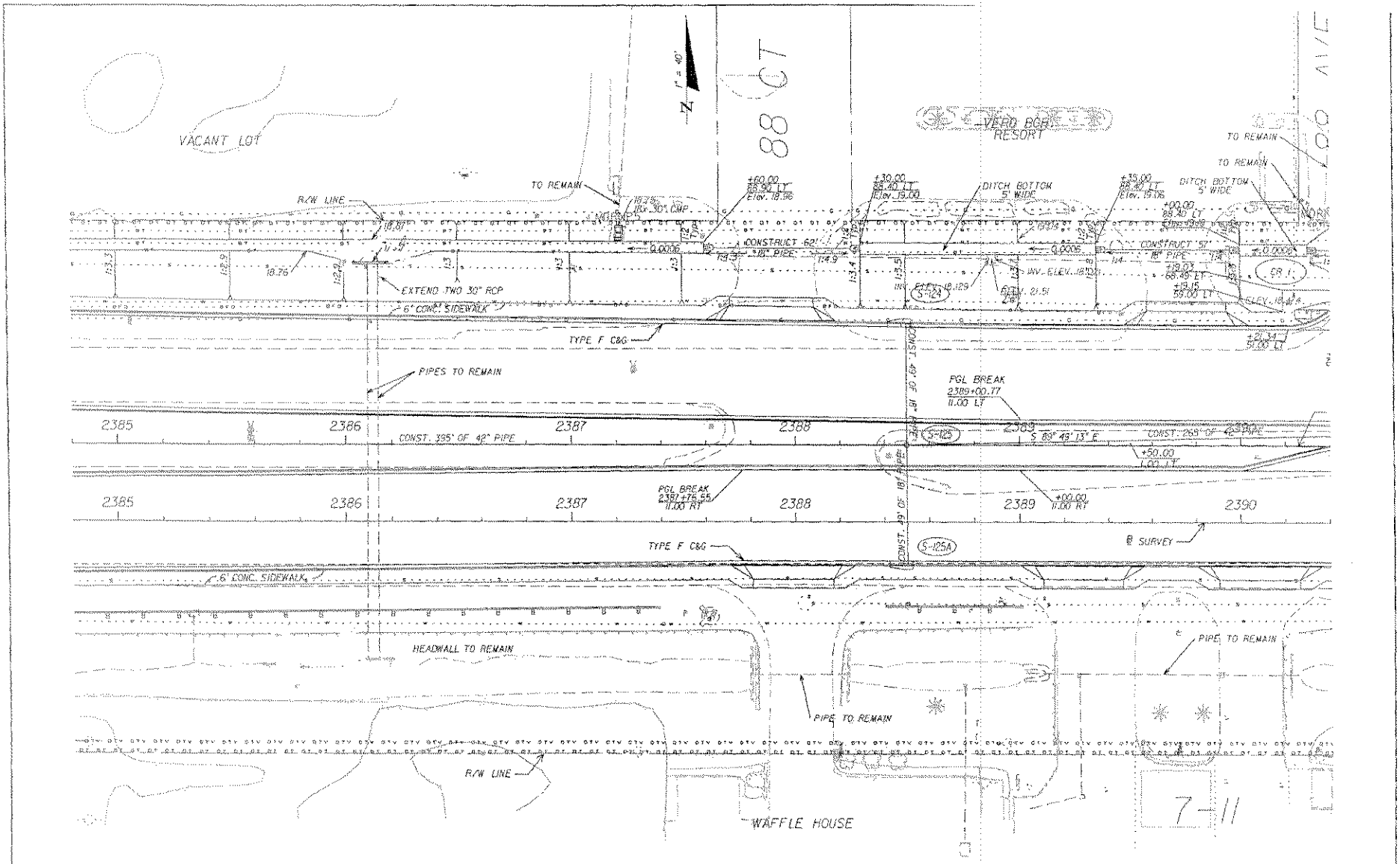
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 14



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SCOTT J. PETERSON, P.E. #52740
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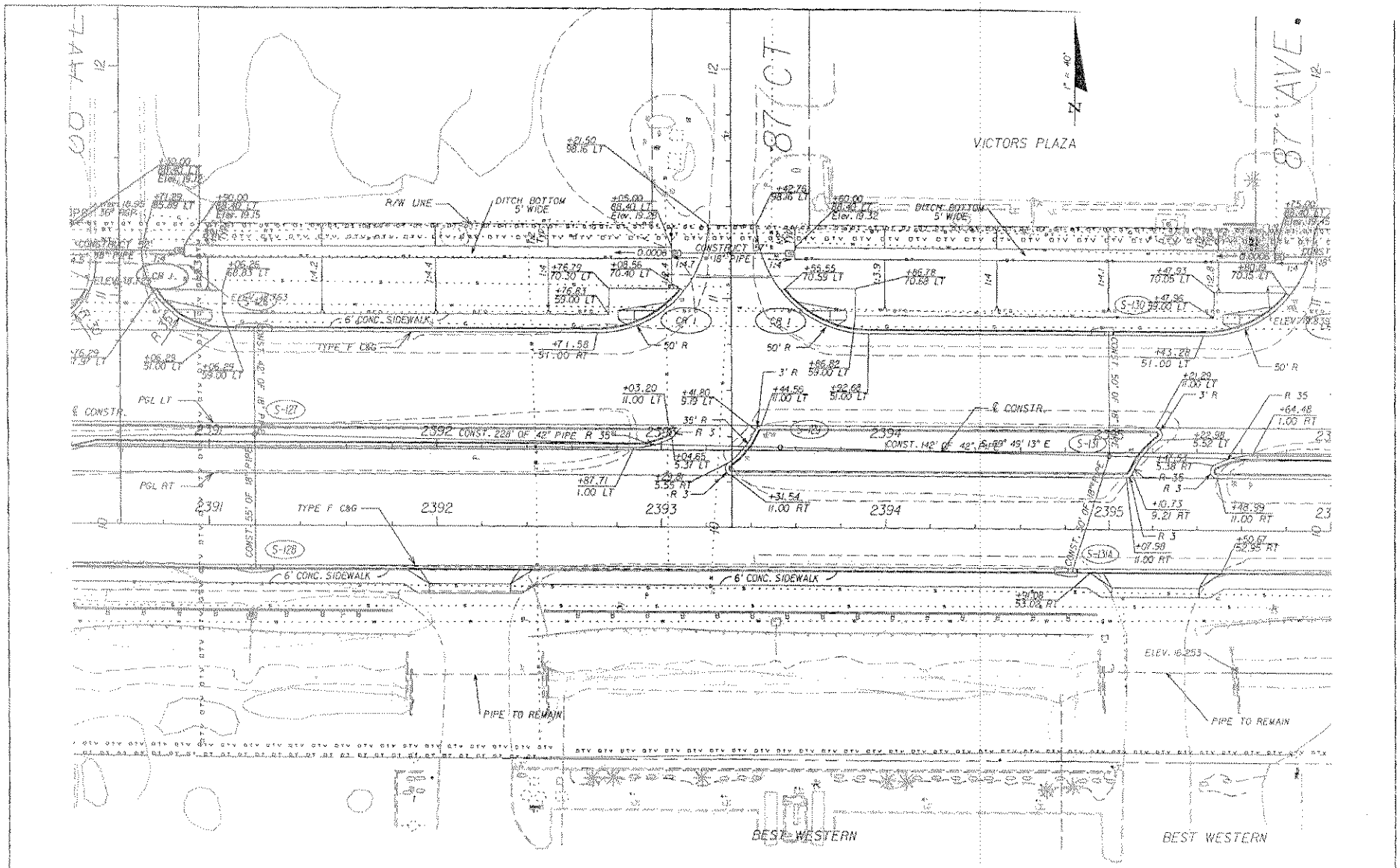
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 15



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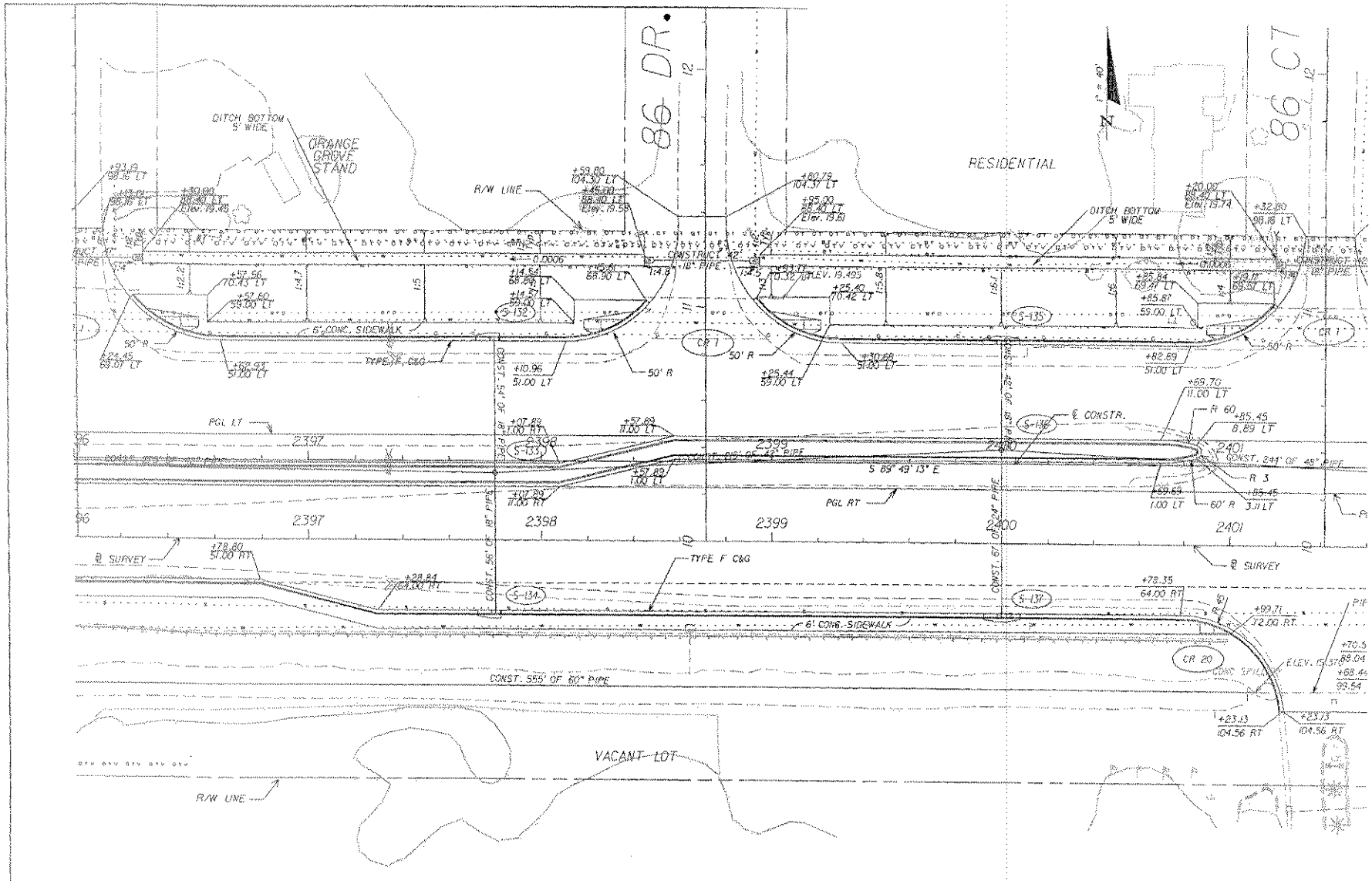
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 16



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
SCOTT J. PETERSON, P.E. #52740
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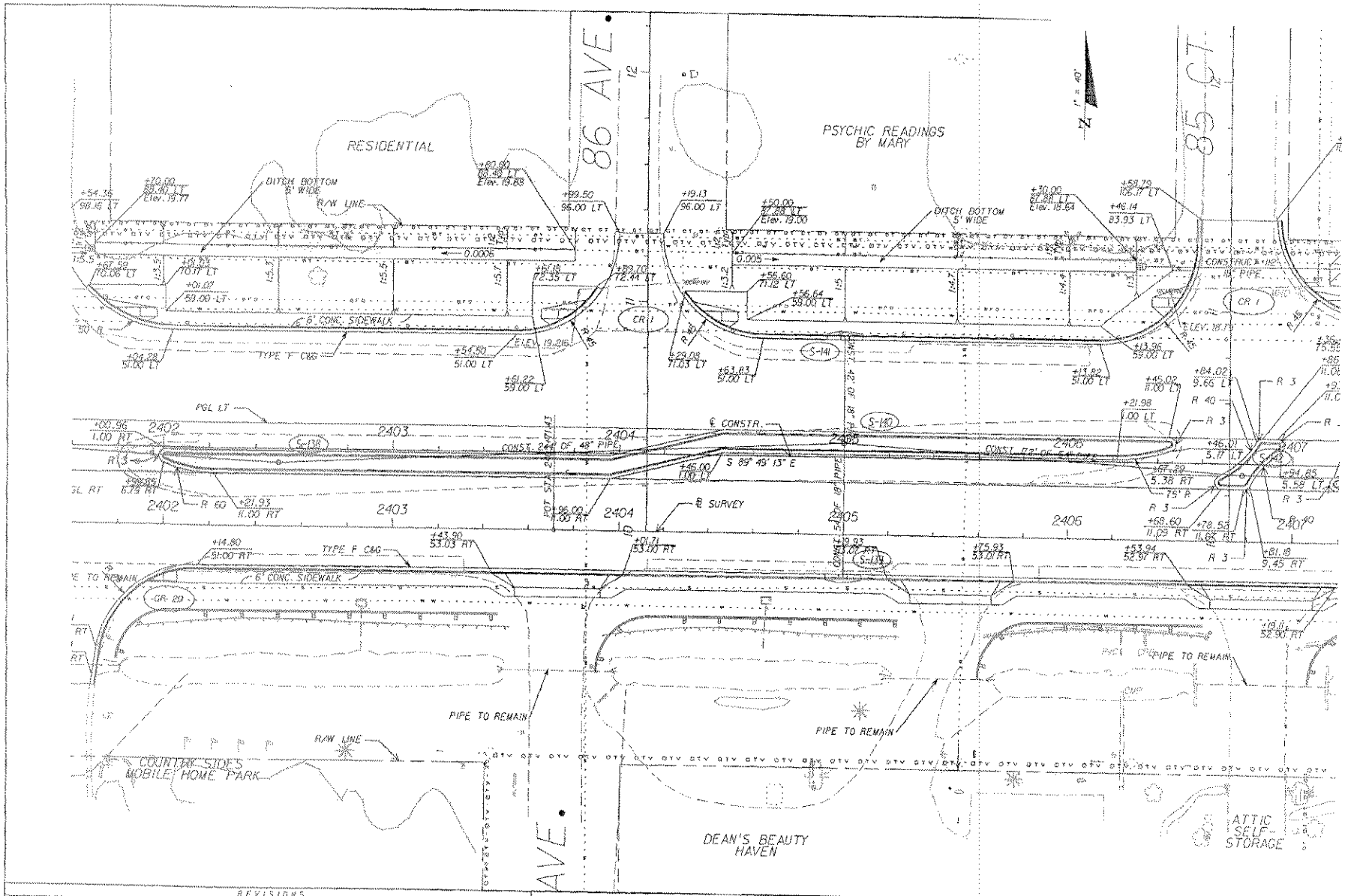
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID.
60	INDIAN RIVER	228628-1-52-01

PLAN

SHEET NO. 17



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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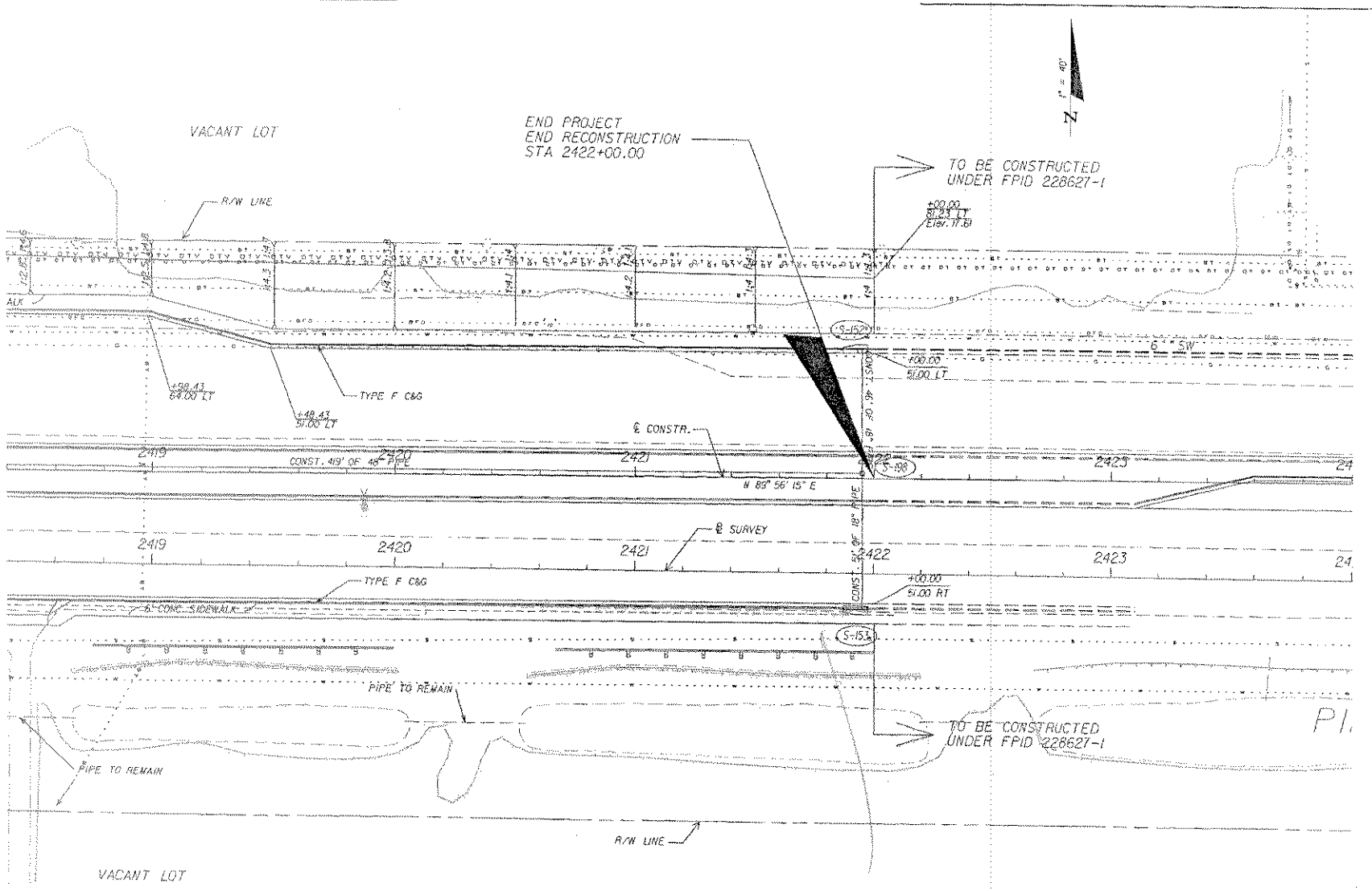
PLAN

SHEET NO. 18



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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

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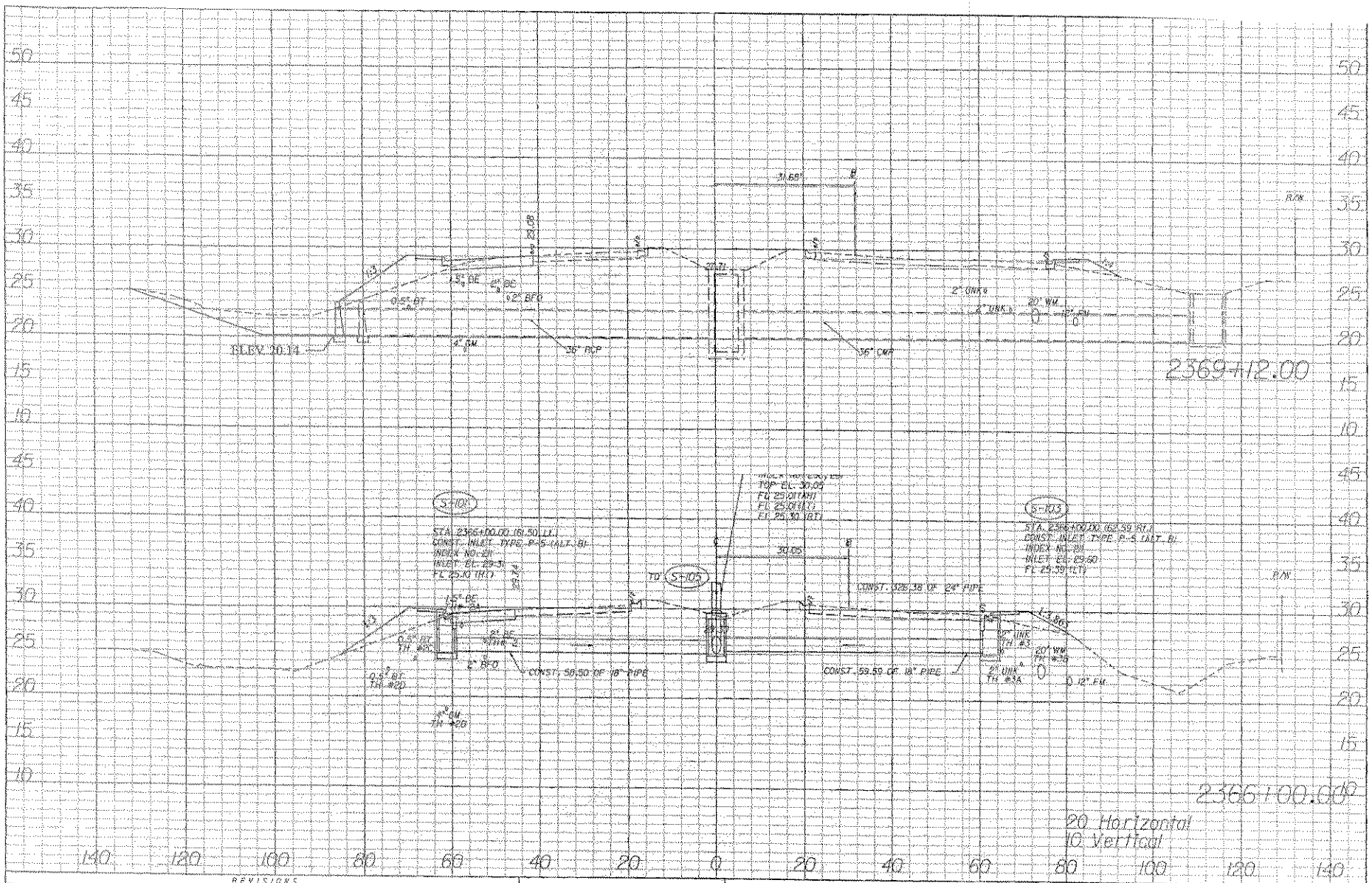
PLAN

SHEET NO. 21



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STATE OF FLORIDA
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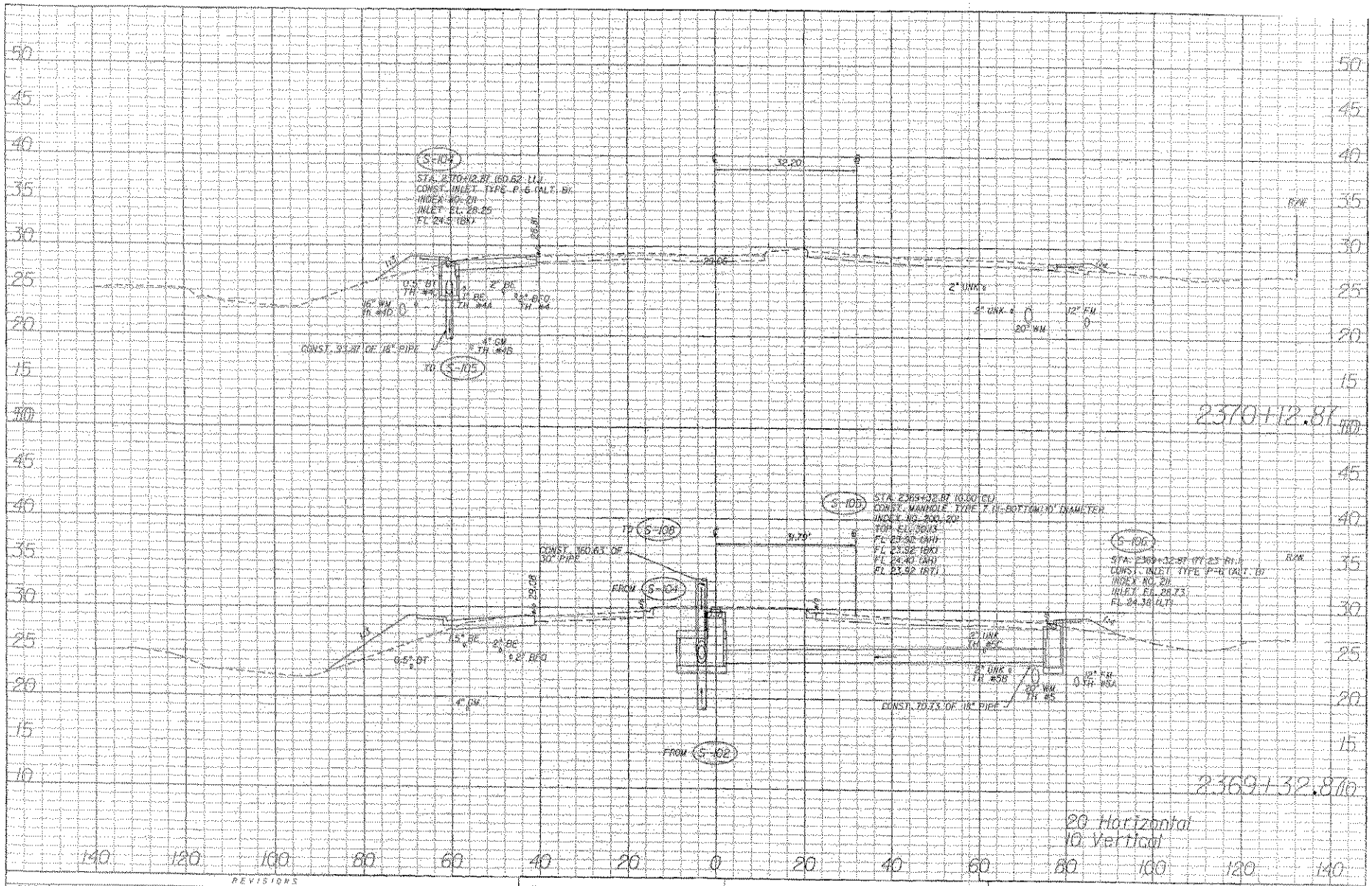
DRAINAGE STRUCTURES

SHEET NO.



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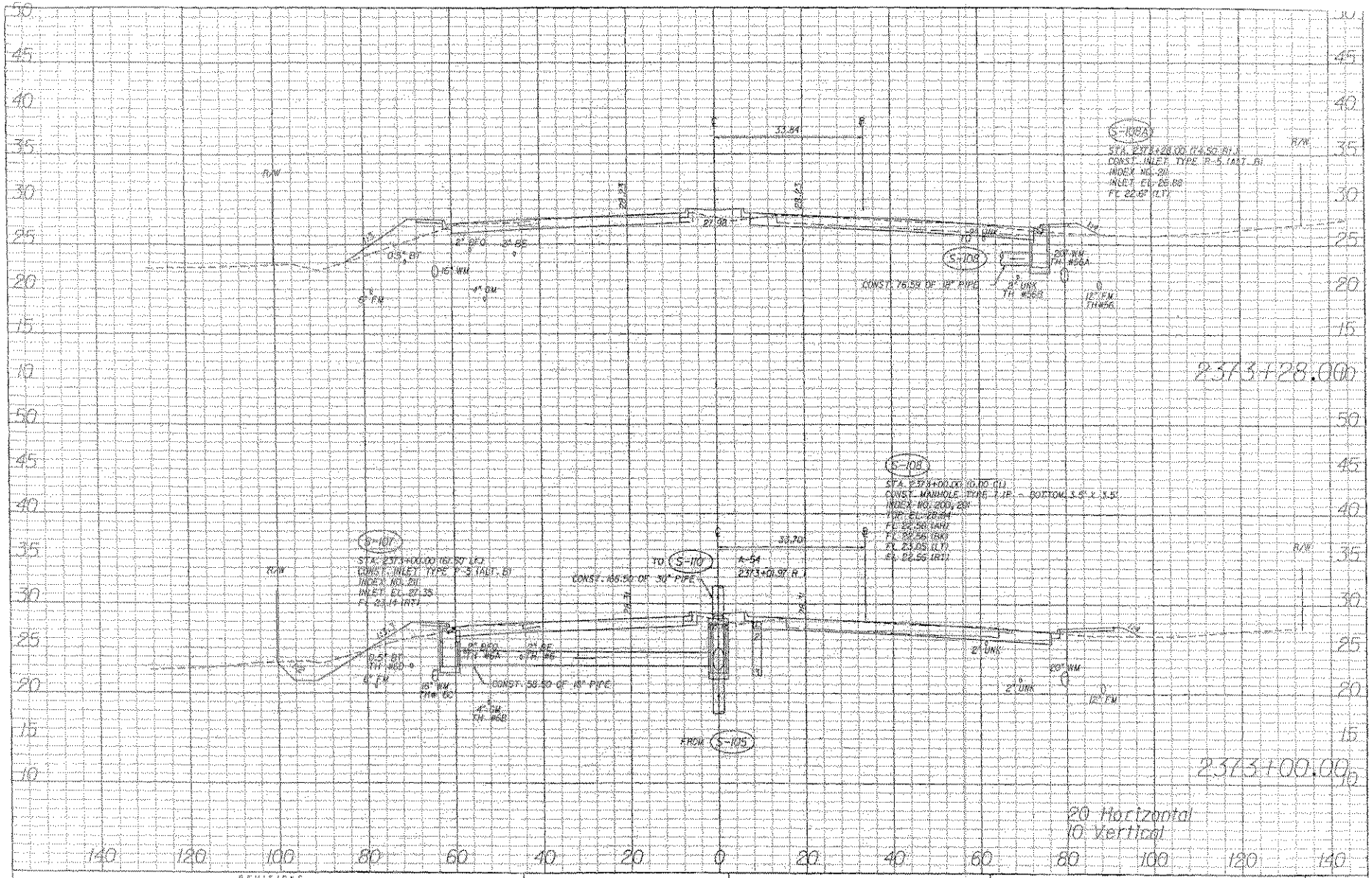

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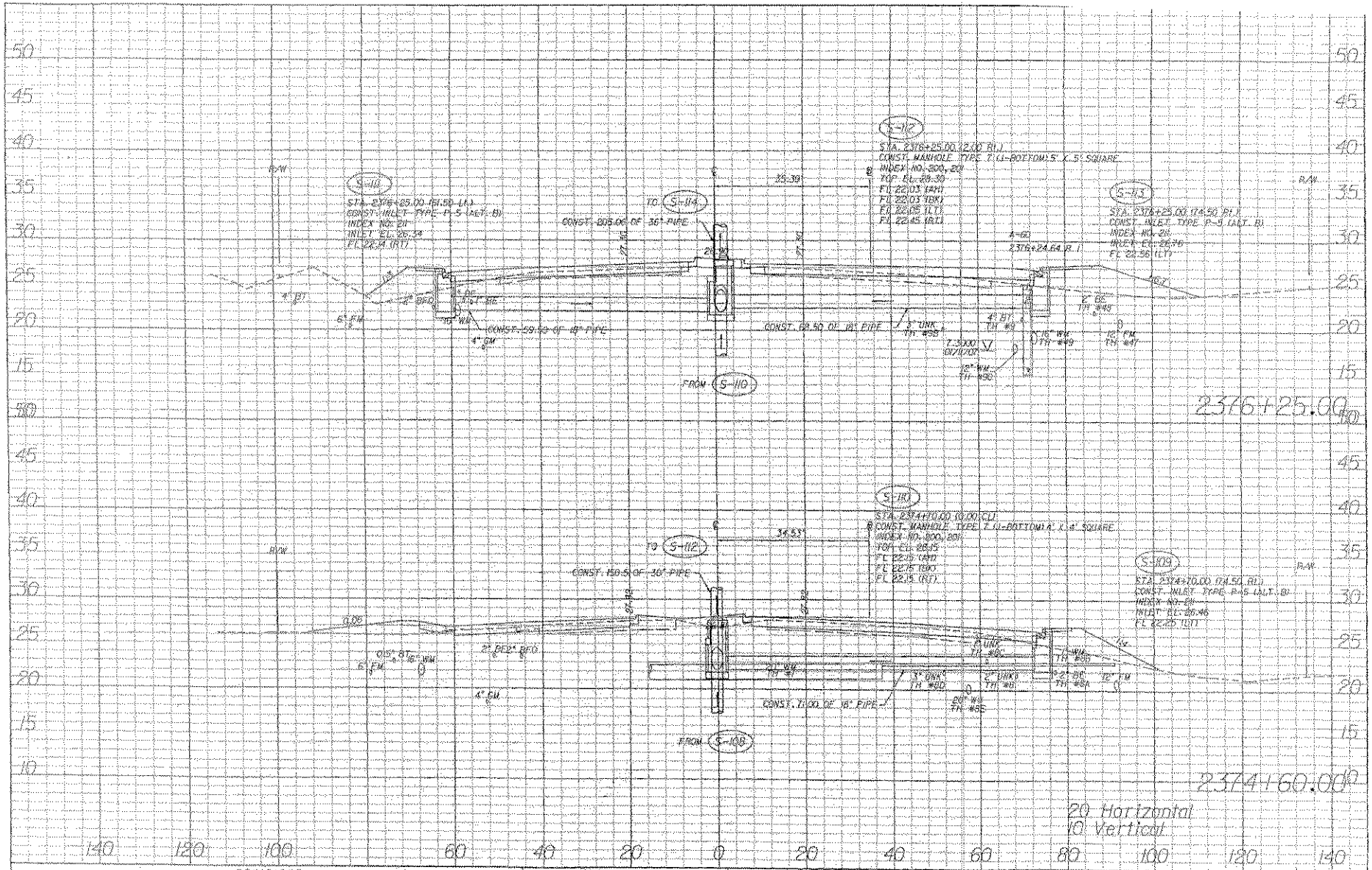
60	INDIAN RIVER	228628-1-52-01

DRAINAGE STRUCTURES

SHEET NO.



REVISIONS					
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3400 W. COMMERCIAL BLVD.
FT. LAUDERDALE, FL. 33309

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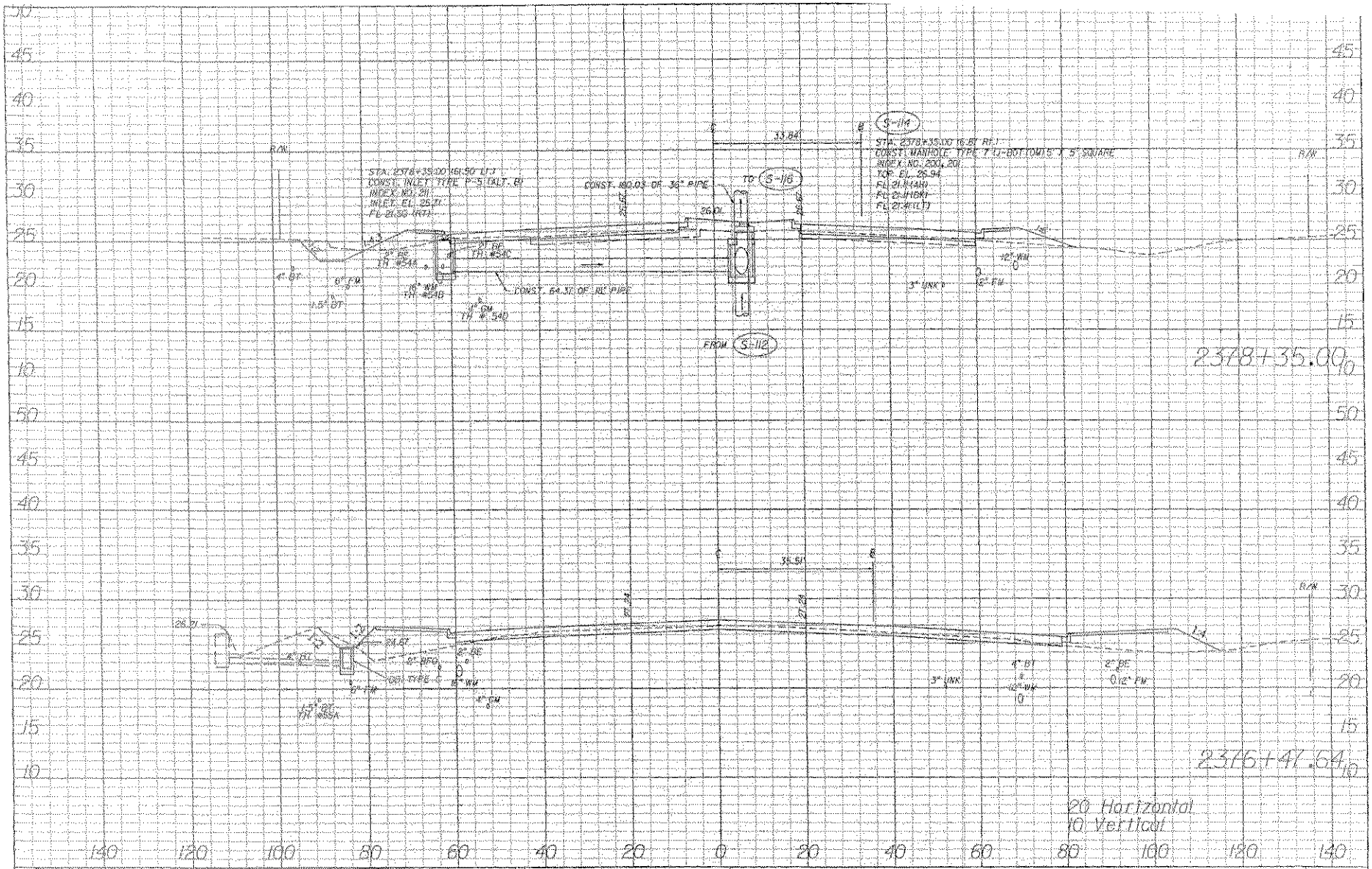

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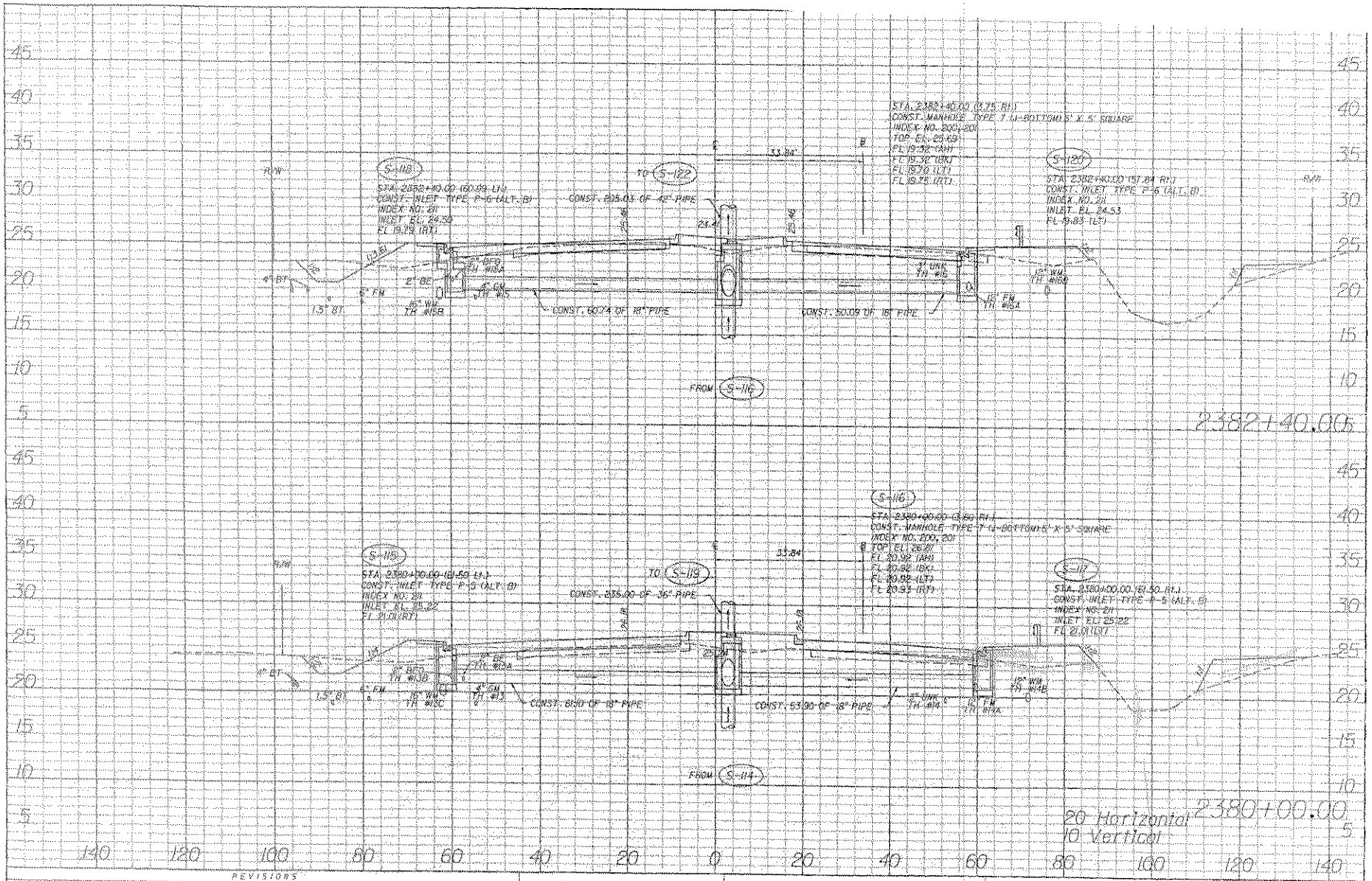

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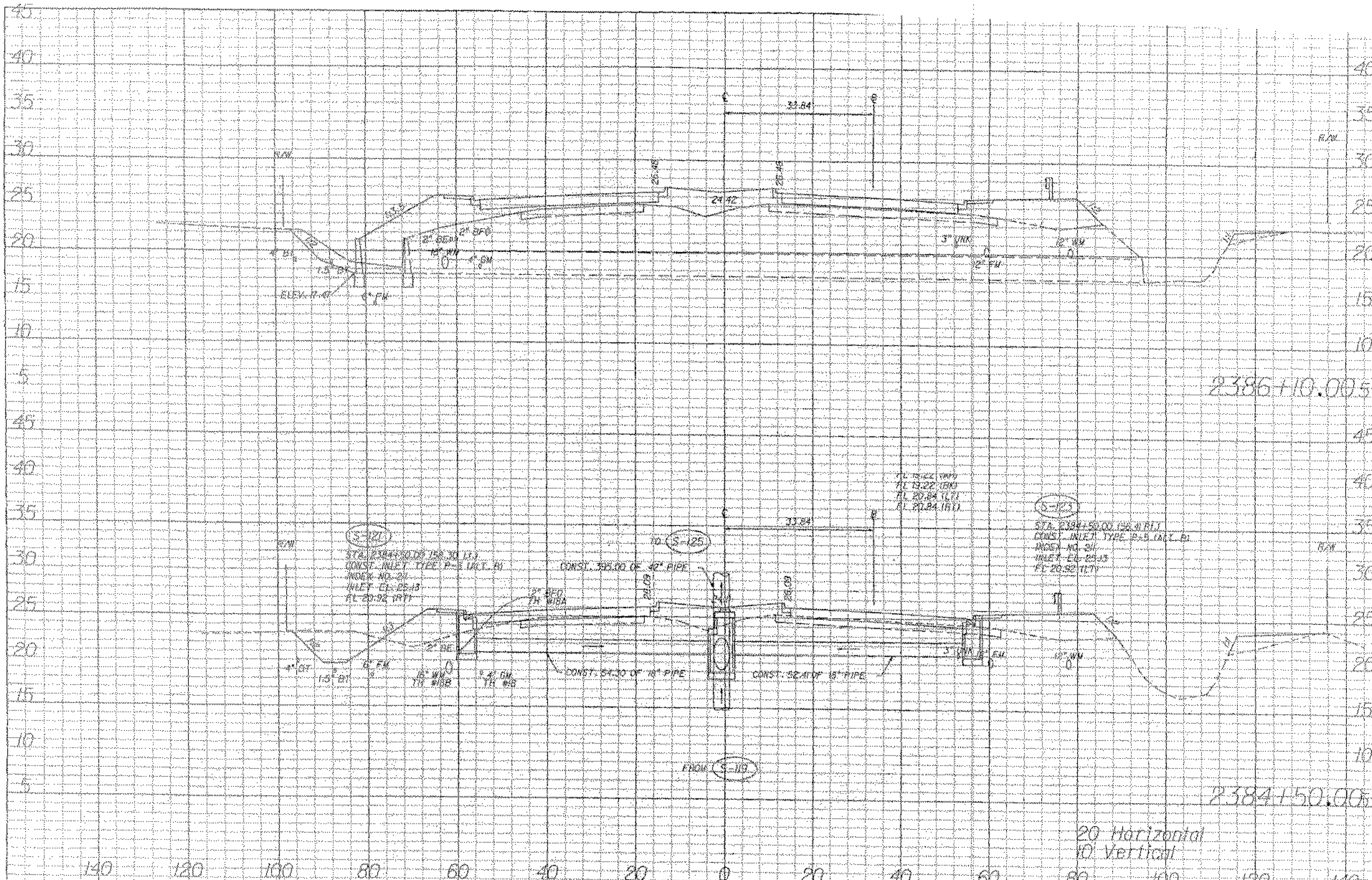

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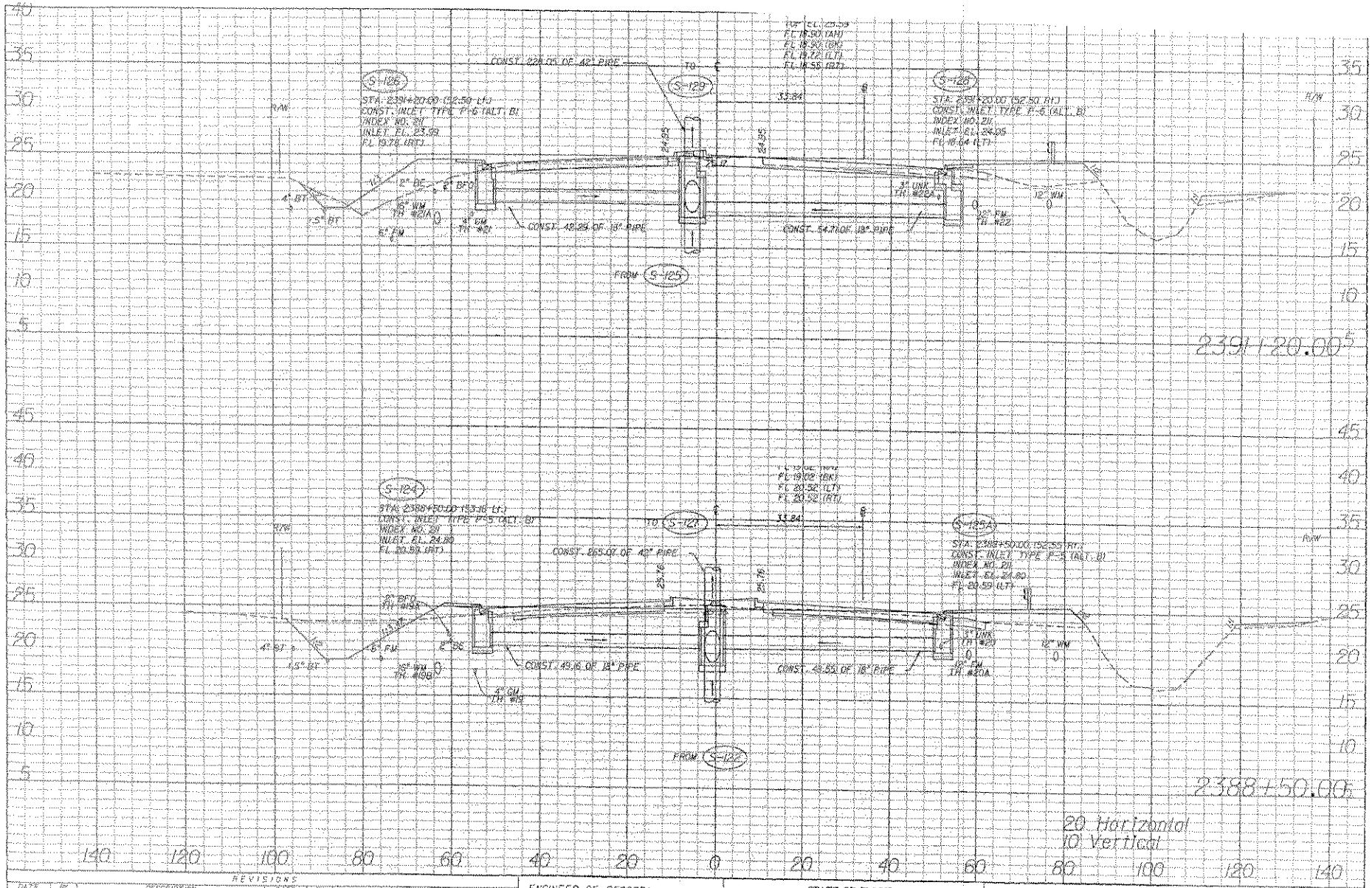

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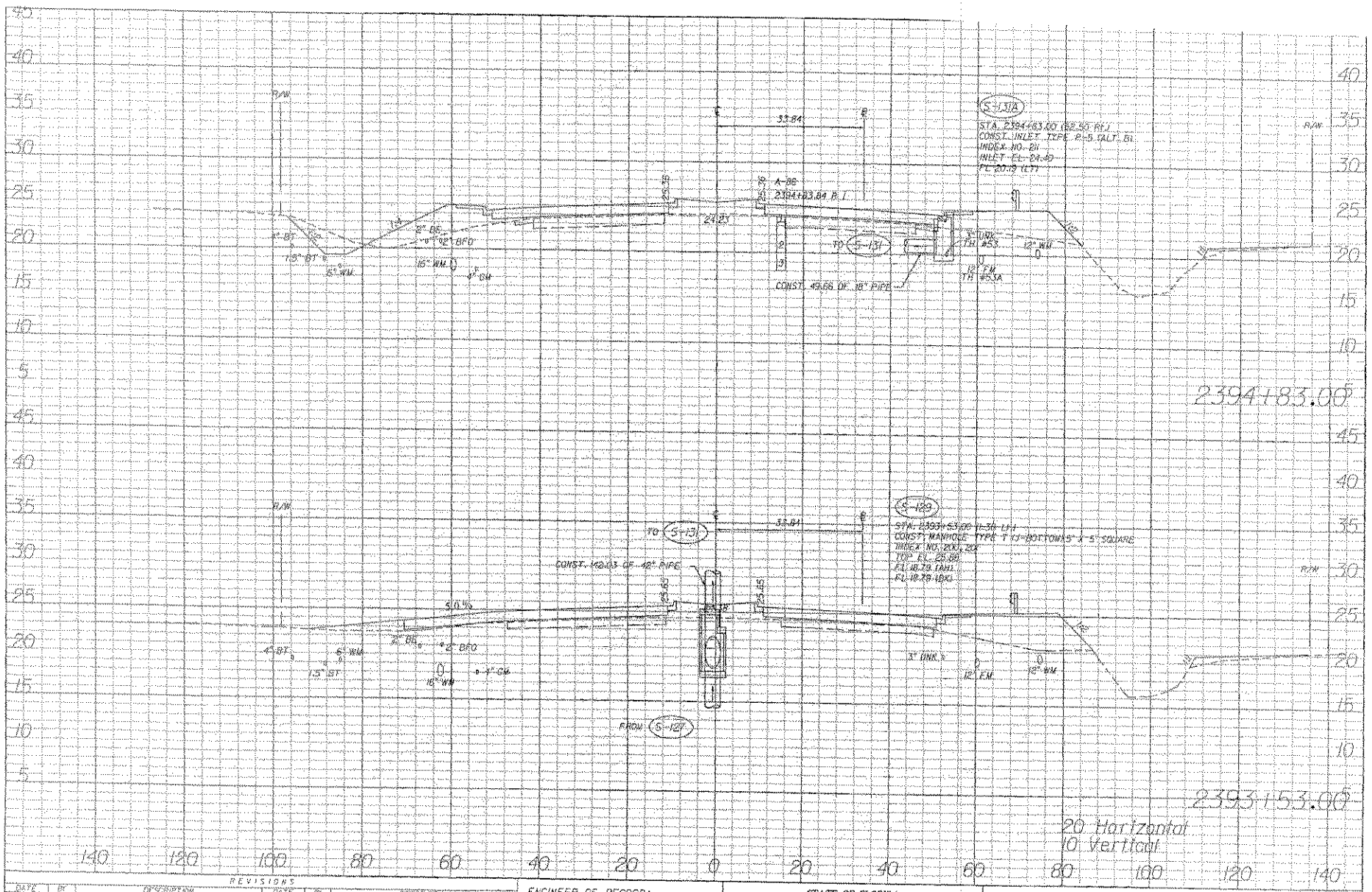

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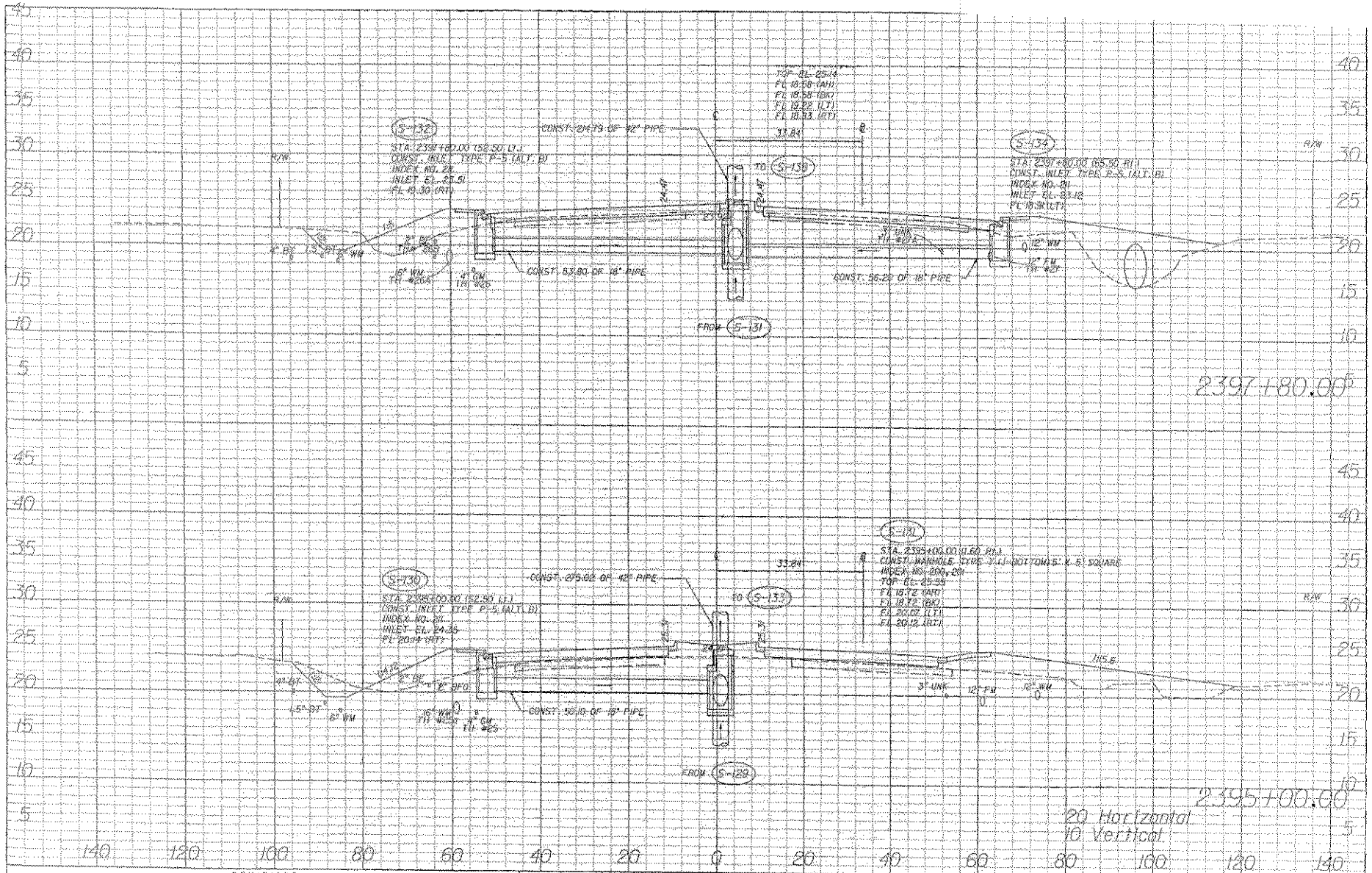

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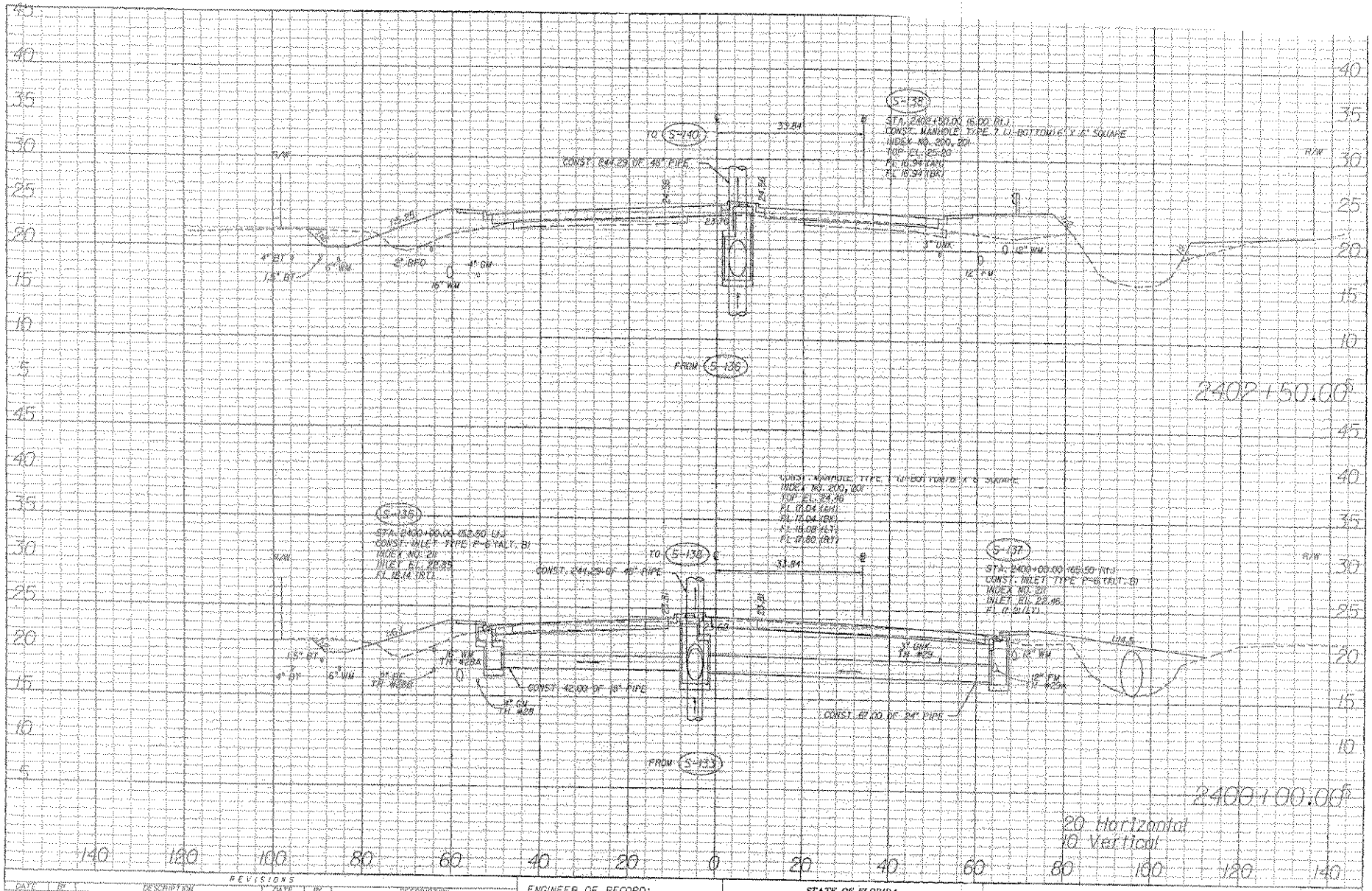

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DRAINAGE STRUCTURES

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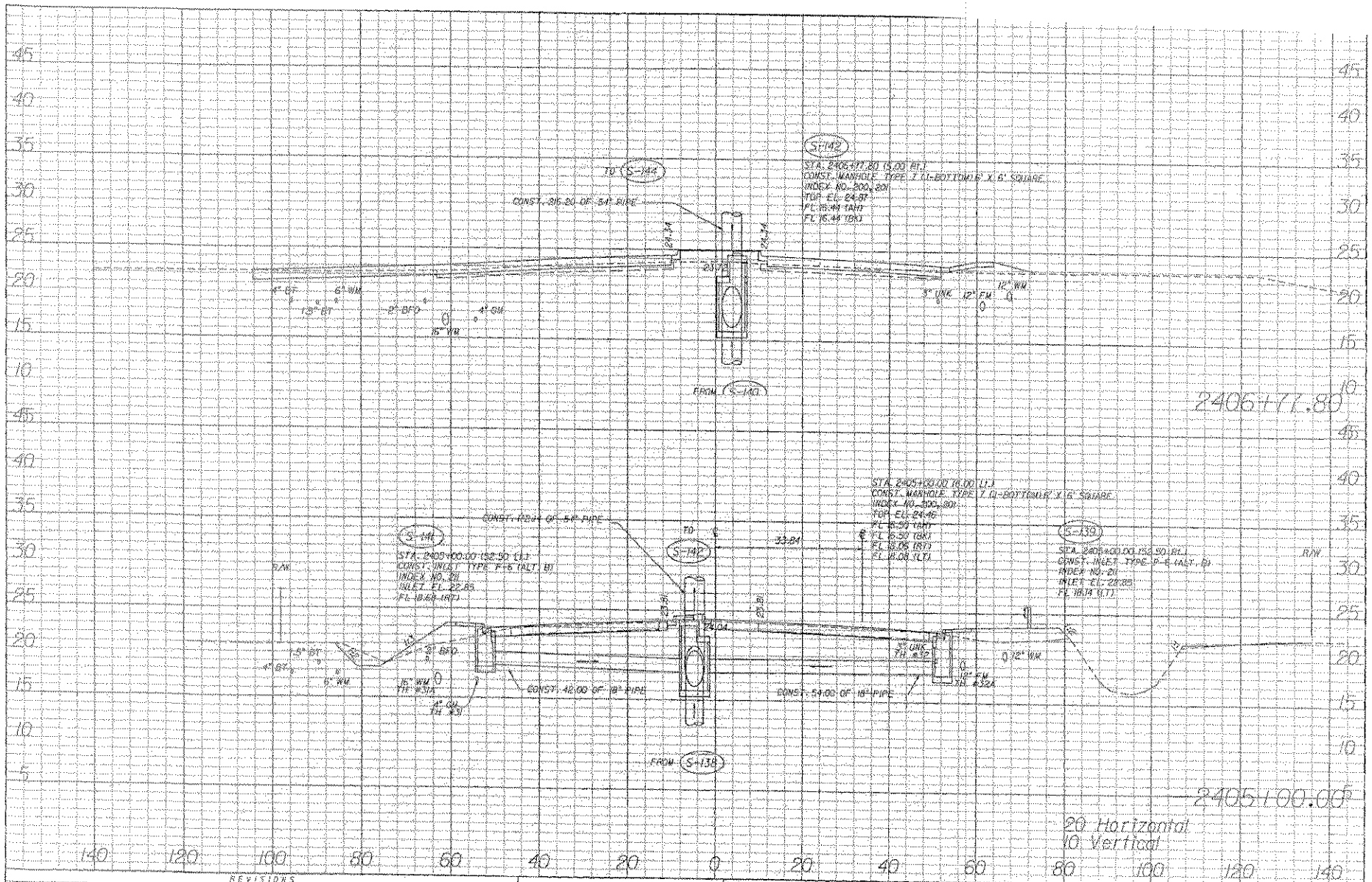

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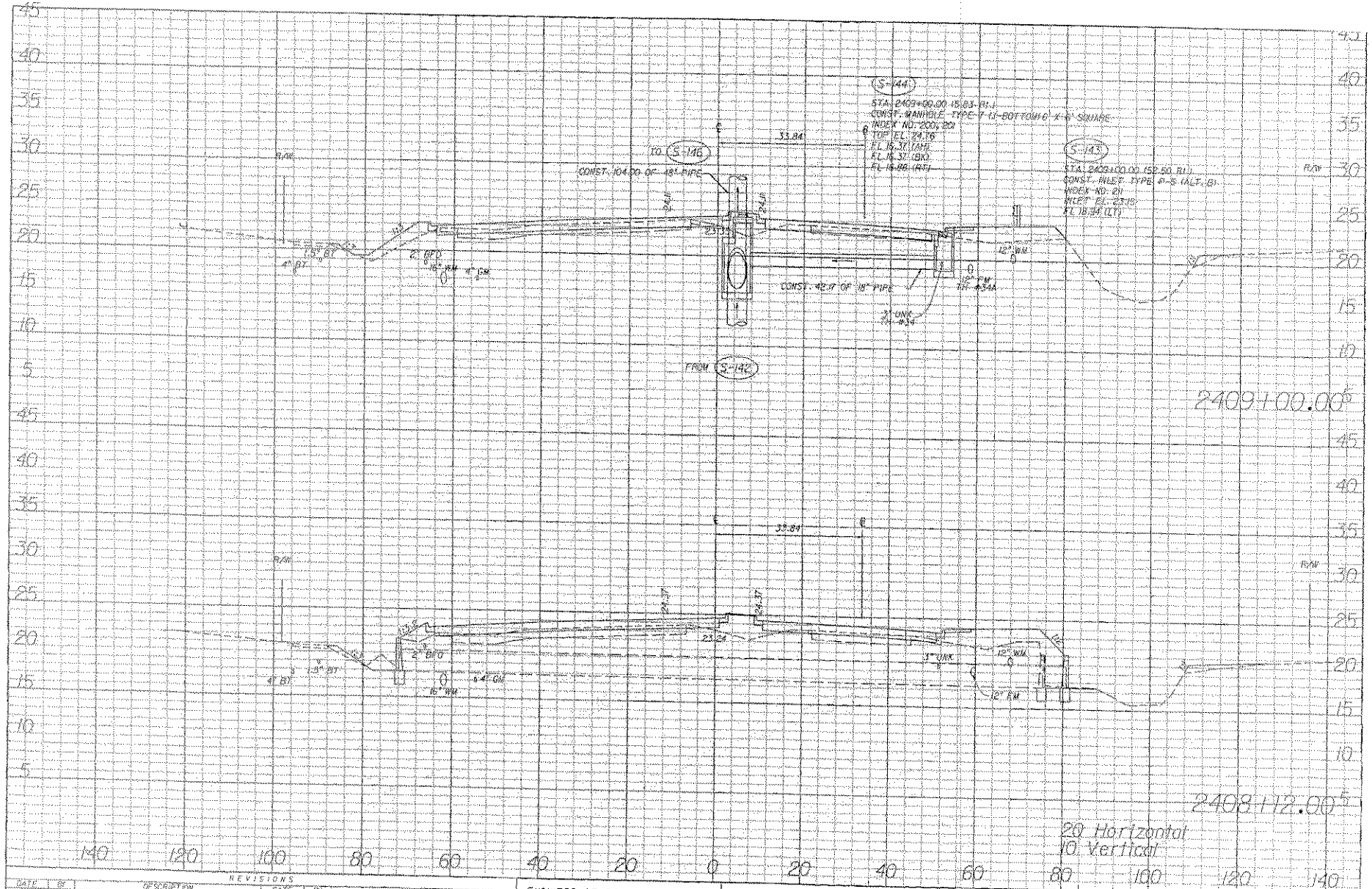

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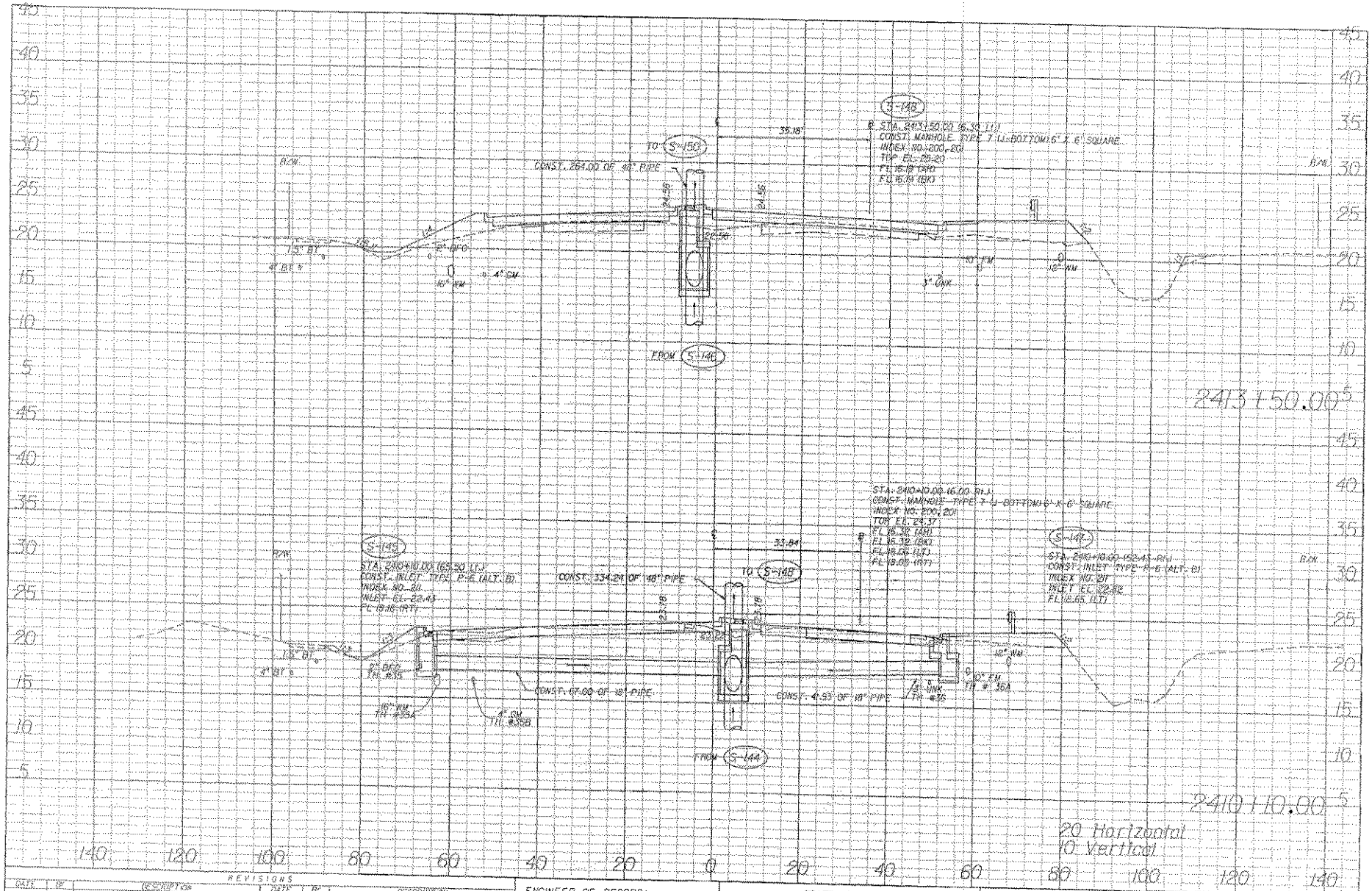

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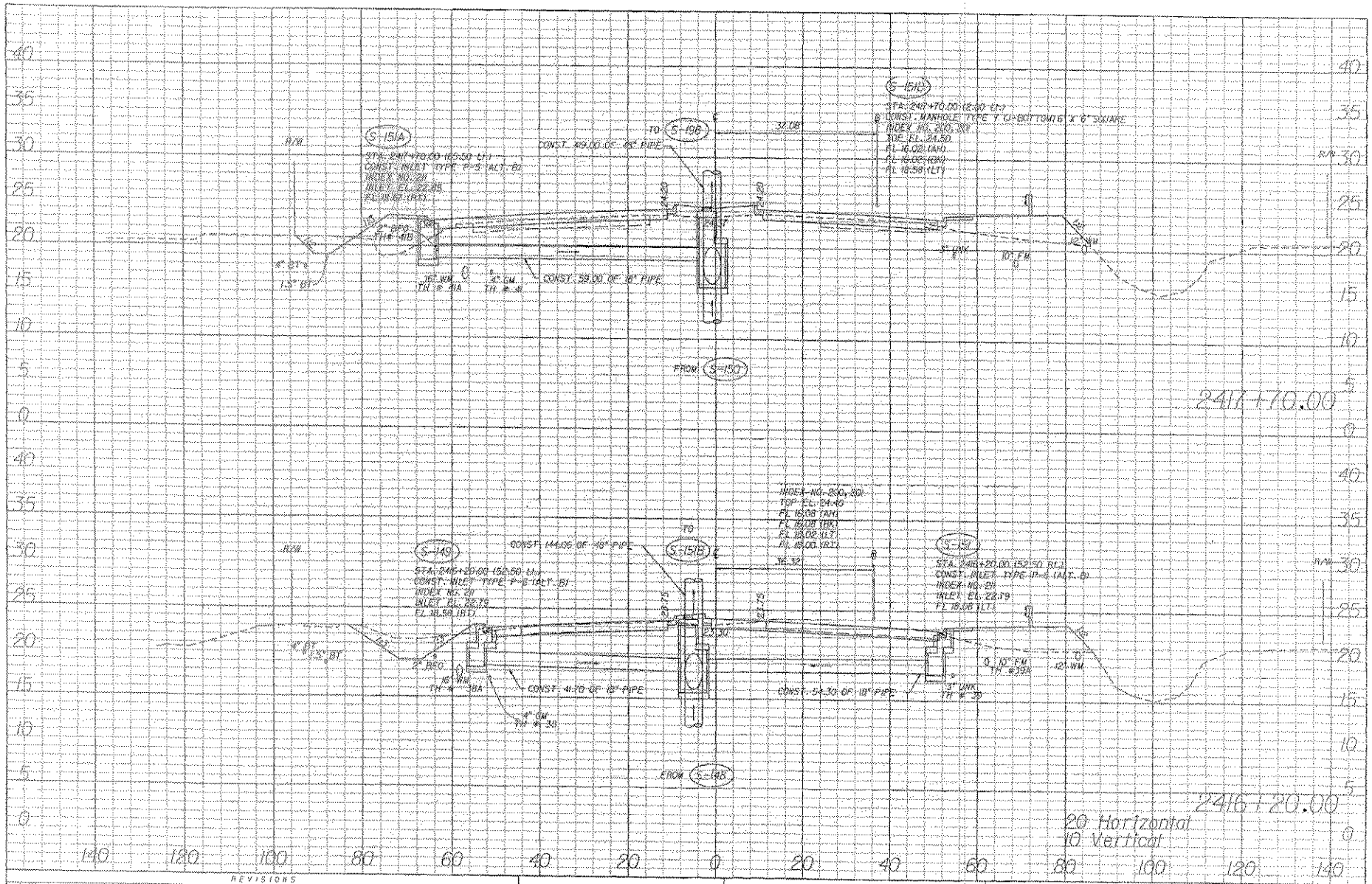

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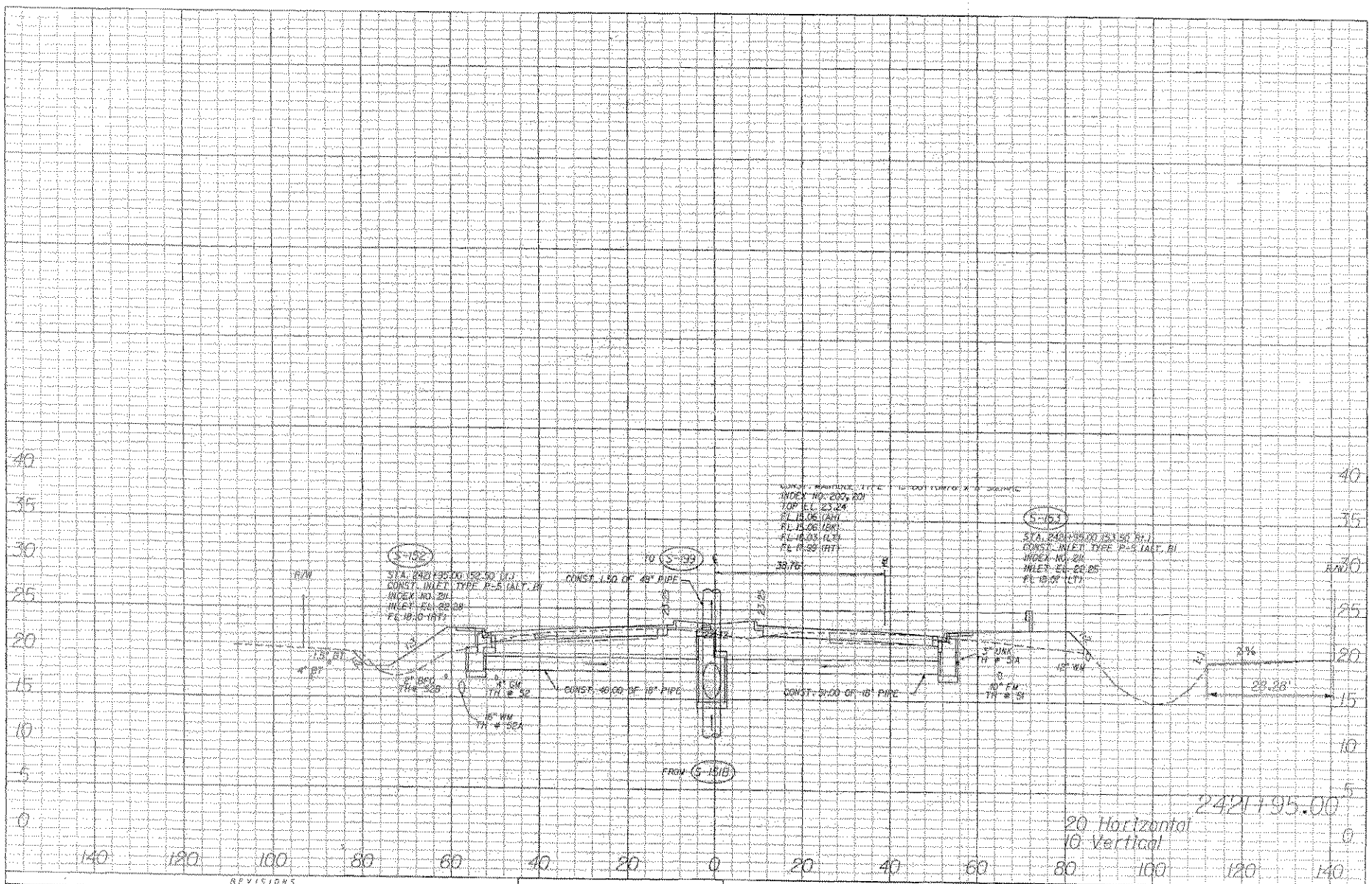

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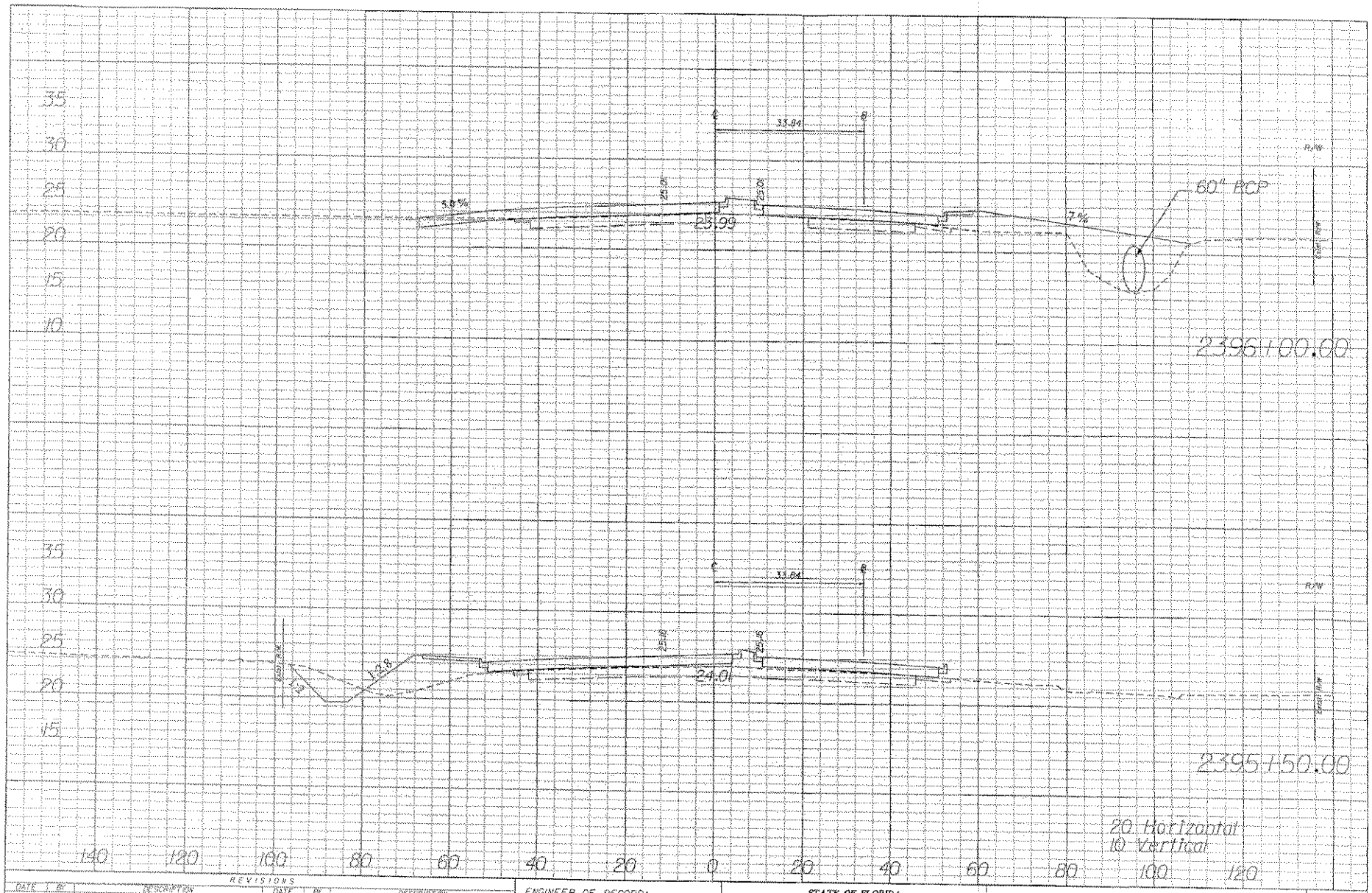

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CROSS SECTIONS

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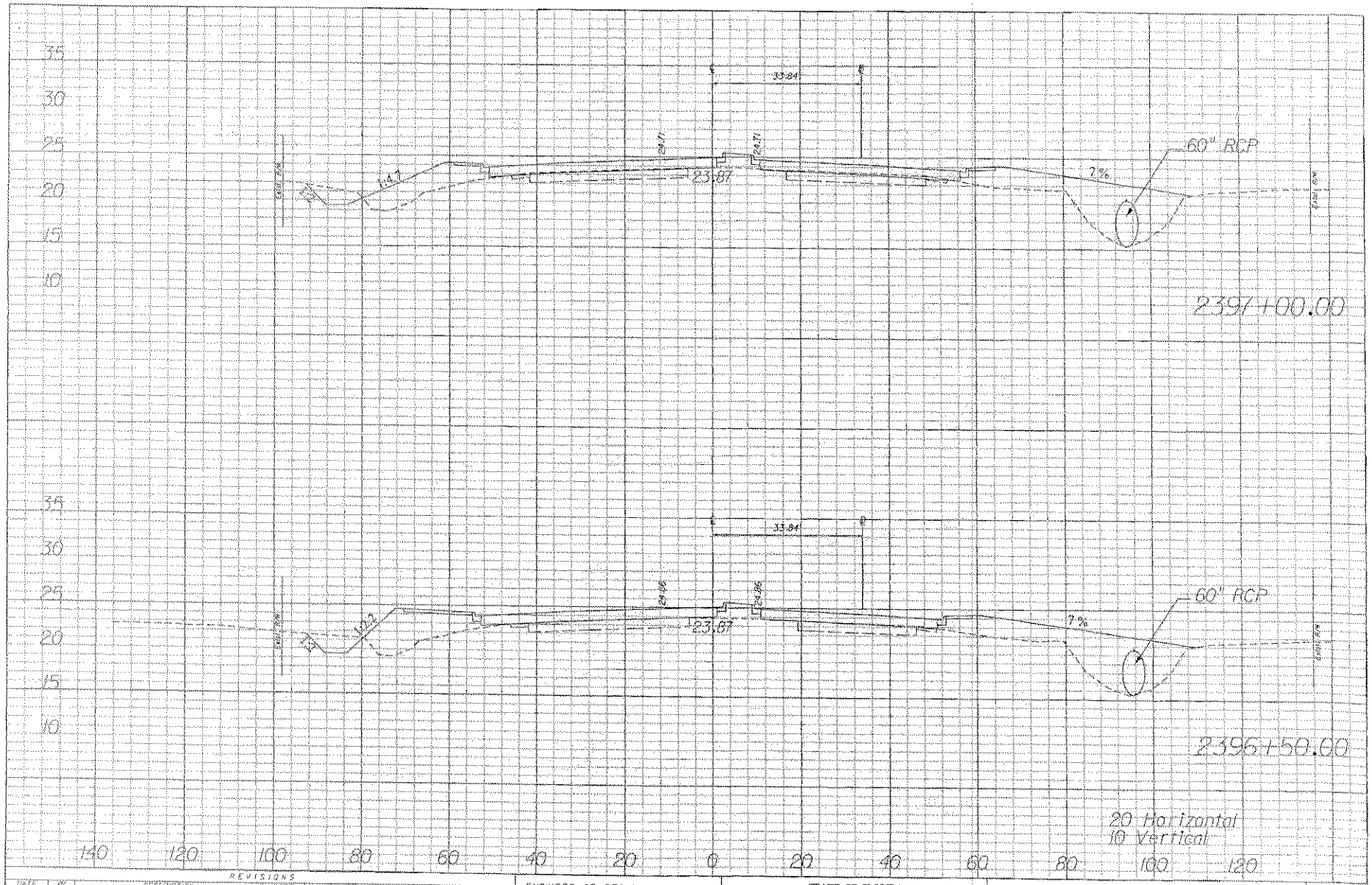

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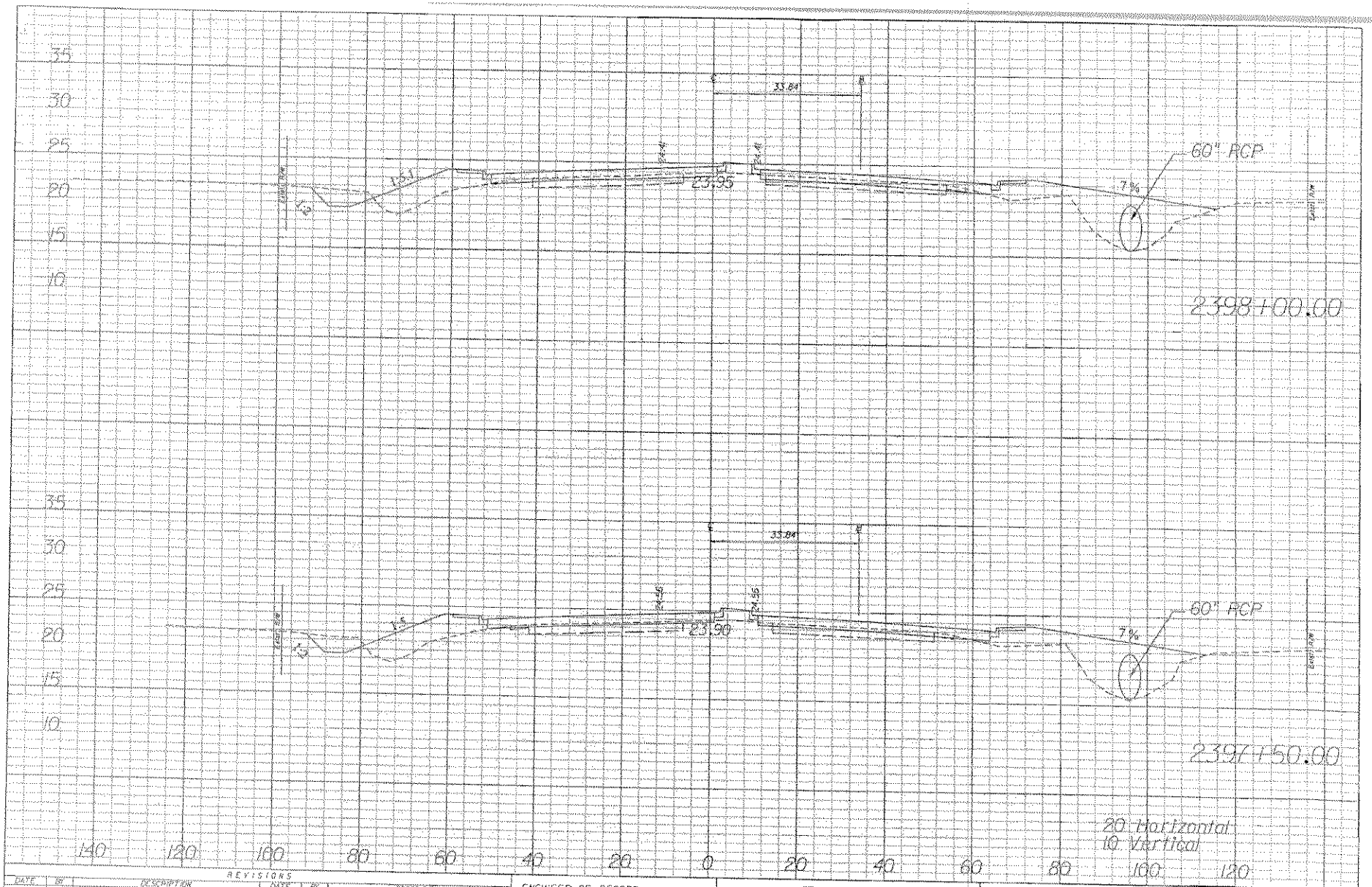

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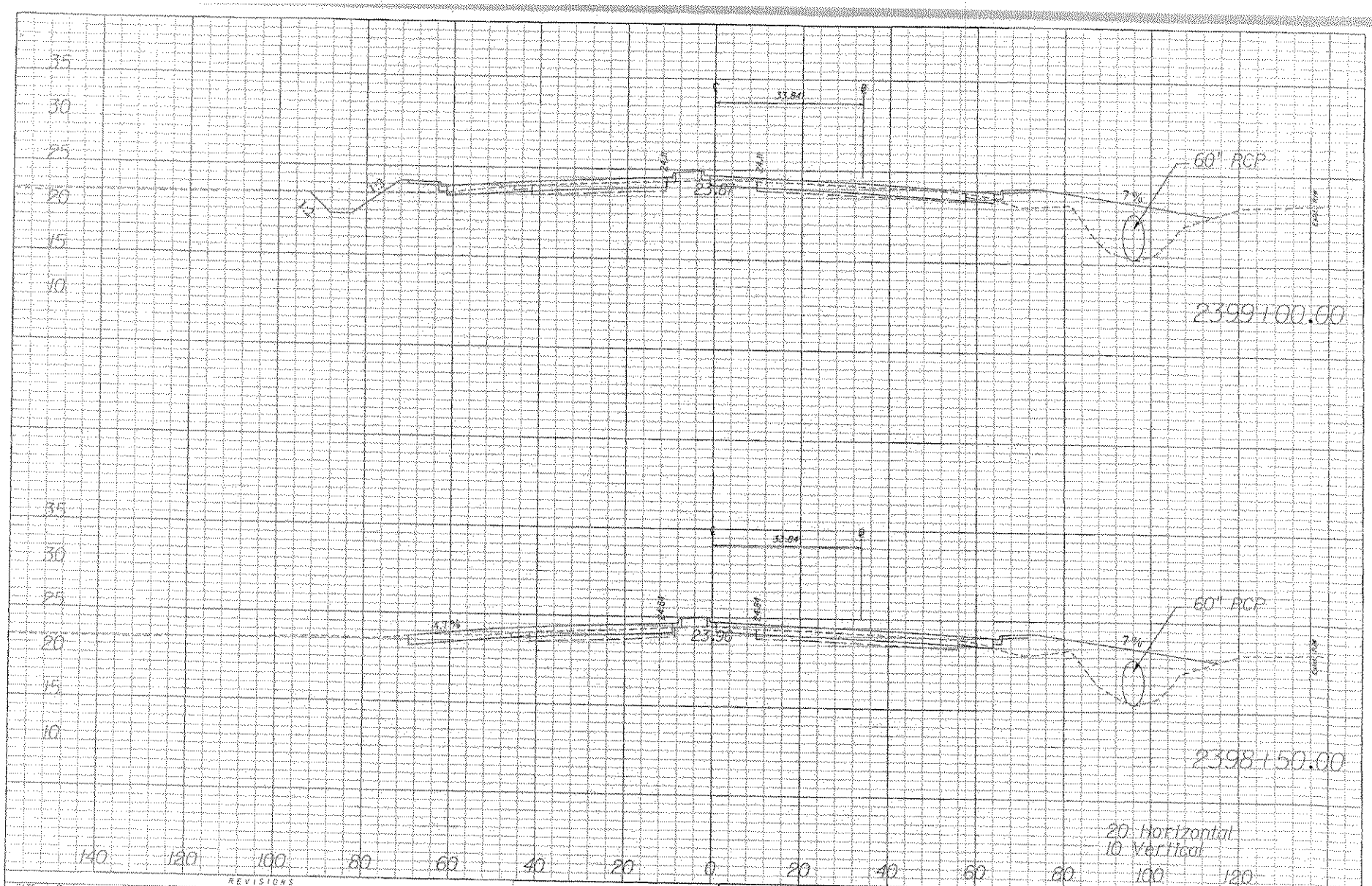

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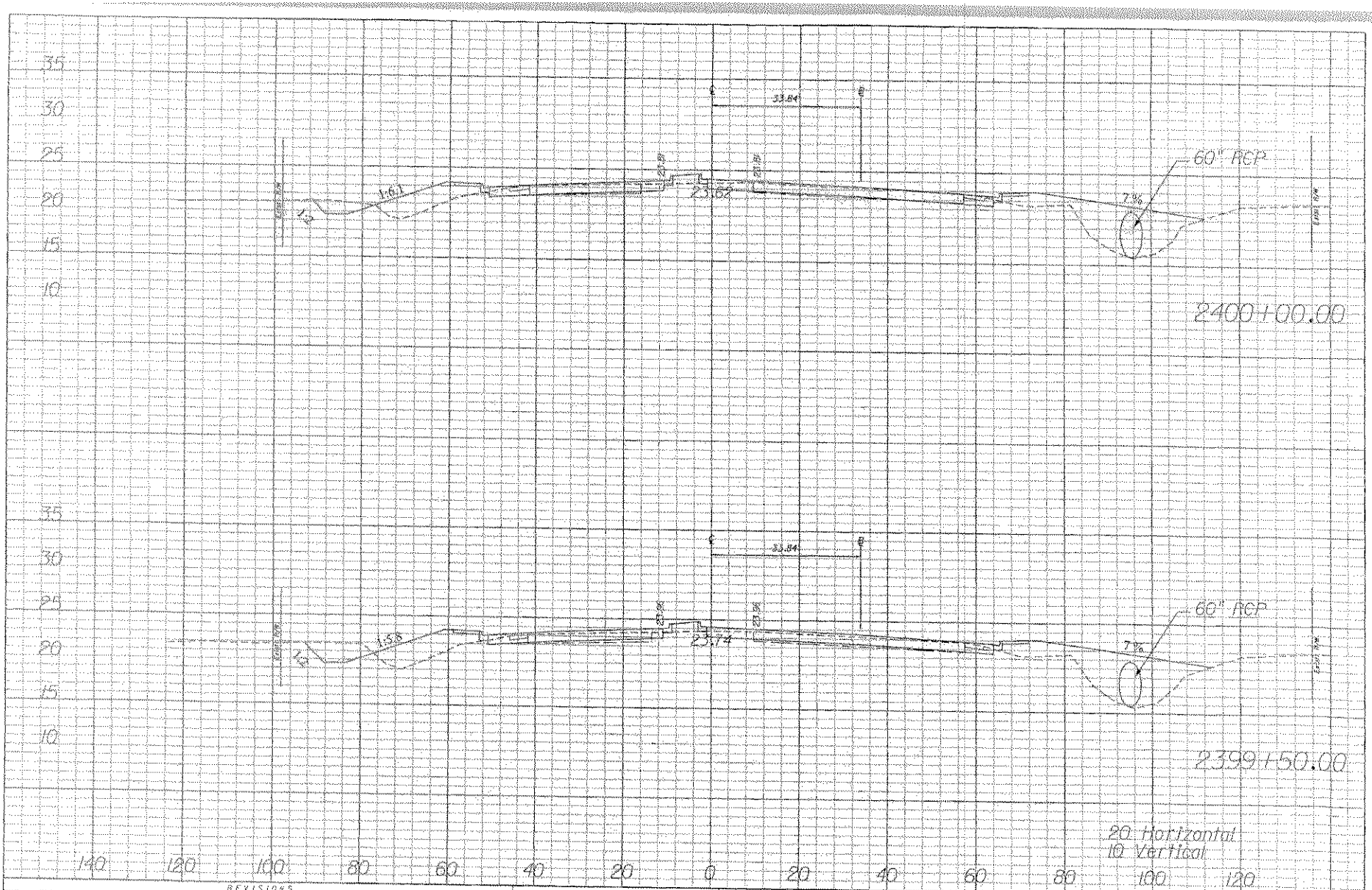

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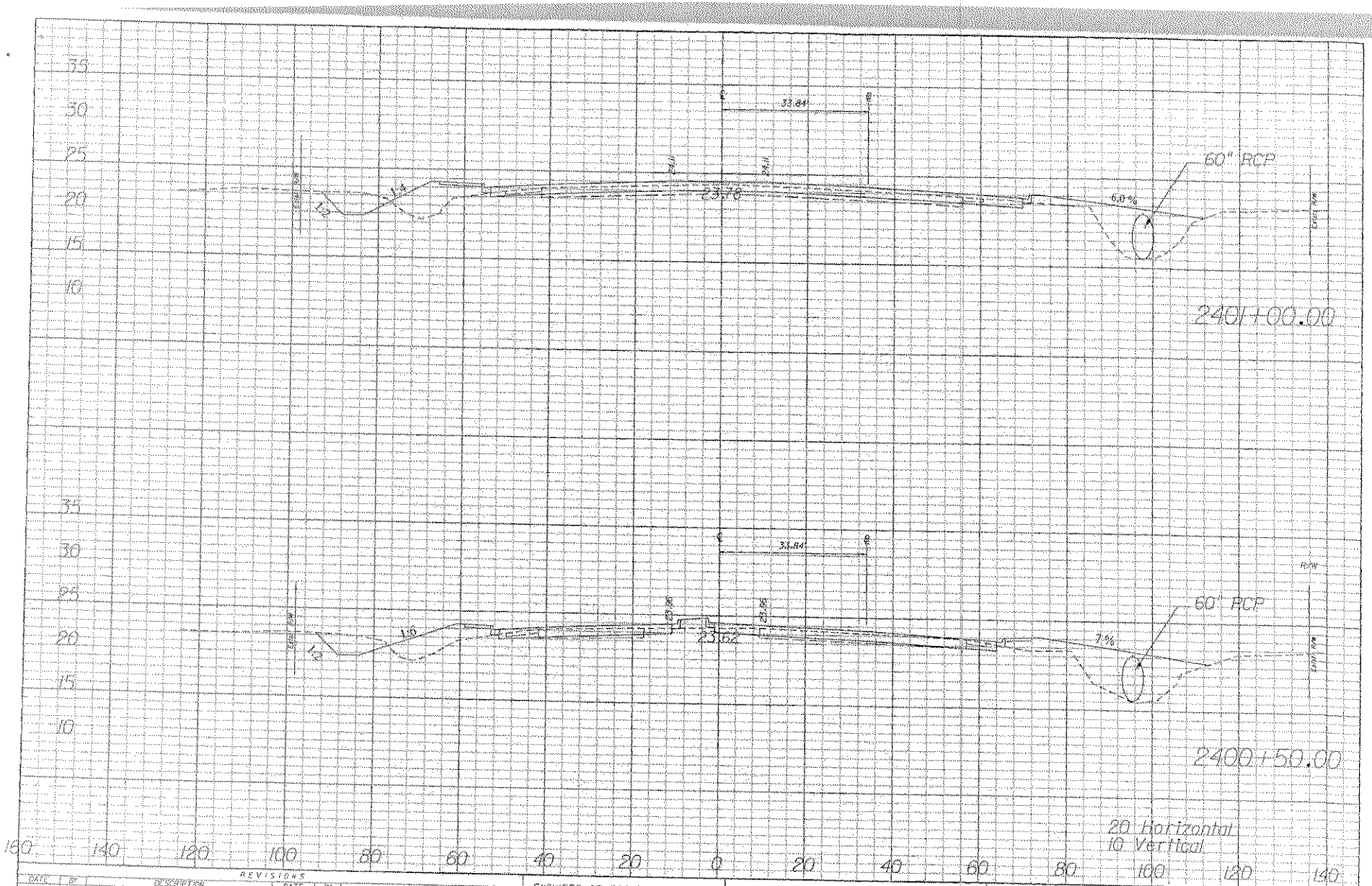

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CROSS SECTIONS

SHEET NO.

I. SITE DESCRIPTION

A. NATURE OF CONSTRUCTION ACTIVITY

PROJECT LIMITS:

THE SUBJECT PROJECT IS LOCATED IN INDIAN RIVER COUNTY, TOWNSHIP 33 SOUTH AND RANGE 38 EAST. PROJECT LIMITS ARE FROM I-95 TO WEST OF 82ND AVENUE.

PROJECT DESCRIPTION: THIS PROJECT PROPOSES A NEW CONSTRUCTION OF S.R.60 FROM A FOUR-LANE RURAL ROADWAY TO A SIX-LANE CONTROLLED ACCESS DIVIDED URBAN FACILITY. CONSTRUCTION ACTIVITIES FROM STA. 2371+20.00 TO STA. 2422+00.00. INCLUDE NEW ROADWAY, DRAINAGE, UTILITIES AND LANDSCAPING. IT ALSO INCLUDES MILLING AND RESURFACING FROM STATION 2341+00 TO STAT. 2371+20

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND SEDIMENT AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR.

STATION 2341+00.00 TO STATION 2422+00.00.

PHASE I: CLEARING AND GRUBBING, EARTHWORK ASSOCIATED WITH NEW CONSTRUCTION, MILLING, RESURFACING AND WIDENING OF ROADWAY AND LANDSCAPING.

PHASE II: CLEARING AND GRUBBING, DRAINAGE & UTILITY ADJUSTMENTS.

PHASE III: NEW CONSTRUCTION.

C. AREA ESTIMATES

APPROXIMATE TOTAL PROJECT AREA: 1,793,320 SF = 41.08 AC
APPROXIMATE TOTAL AREAS TO BE DISTURBED: 1,188,720 SF = 27.30 AC

D. QUALITY OF EXISTING STORMWATER DISCHARGE

DESCRIPTION OF SOIL:

A DESCRIPTION OF THE SOIL TYPES IDENTIFIED WITHIN THE SR 60 PROJECT CORRIDOR IS PRESENTED BELOW. THE PRELIMINARY REPORT OF ROADWAY SOIL SURVEY FROM JUAN F. CASTELLANOS WAS THE PRIMARY SOURCE OF SOIL TYPE DESCRIPTIONS.

THE FOLLOWING SOILS HAVE BEEN IDENTIFIED WITHIN THE PROJECT LIMITS IN INDIAN RIVER COUNTY, ADJACENT TO S.R. 60 :

DARK BROWN ORGANIC SILTY FINE SAND, ASPHALTIC CONCRETE, LIGHT BROWN TO BROWN CLEAN TO SILTY FINE SAND WITH LIMEROCK, BROWN SANDY LIMEROCK, BROWN FINE SAND.

CURRENT DISCHARGE:

THE STORM WATER IS DISCHARGED INTO SWALES/DITCHES ON THE NORTH SIDE OF THE ROADWAY, AND INTO THE D-6A CANAL, THE R-3 CANAL, OR THE A-2 CANAL ON THE SOUTH SIDE OF THE ROADWAY. THE STORMWATER IS ULTIMATELY DISCHARGED INTO THE RANGE LINE CANAL AND THE LATERAL-A CANAL.

E. SITE MAP

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR ALL THE ITEMS DISCUSSED BELOW ARE IDENTIFIED ON THE KEY SHEET OF THE CONSTRUCTION PLANS.

1. DRAINAGE PATTERNS: THE ENTIRE DRAINAGE AREA IS RELATIVELY FLAT. RUN-OFF FROM ASPHALT PAVEMENT DRAINS INTO DITCHES AND CANALS AND IS DISCHARGED TO CANALS. SEE SECTION D FOR DETAILS.

2. APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTIONS, PLAN, AND PROFILE SHEETS OF THE CONSTRUCTION PLANS.

3. AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS AND THE CROSS SECTIONS SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

4. AREAS THAT SHALL NOT BE DISTURBED: FOR THE PURPOSE OF THIS PLAN, IT IS REASONABLE TO SAY THAT SOME AREAS OF THE PROJECT WILL BE DISTURBED DURING SOME PHASE OF THE CONSTRUCTION. FOR DETAILS SEE THE PLANS.

5. LOCATIONS OF CONTROLS: THE TEMPORARY CONTROLS ARE SHOWN ON THE PLAN & PROFILE SHEETS.

6. AREAS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEETS AND THE PLAN SHEETS.

7. SURFACE WATERS: THE SURFACE WATERS ON THE PROJECT ARE CANALS D-6A, R-3 AND A-2. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS.

8. DISCHARGE POINT TO SURFACE WATER: ALL EXISTING OUTFALLS ARE TO REMAIN IN ADDITION TO ONE PROPOSED WET DETENTION POND SITES.

F. OUTFALL INFORMATION

THERE ARE 1 OUTFALL

Basin	Size	Approx. Location	Latitude	Longitude
1	8.59 AC.	2443+15.75	27°38'19.47" N	80°0'34.50" W

PERMITS ONLY
$DATE$ $TIME$
NOT FOR CONSTRUCTION

REVISIONS

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ENGINEER OF RECORD:
SCOTT PETERSON, P.E.
P.E. LICENSE NUMBER 52740
FDOT DISTRICT 4

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. | COUNTY

PERMITS ONLY
$DATE$ $TIME$
NOT FOR CONSTRUCTION

II. CONTROLS

A. EROSION AND SEDIMENT CONTROLS

1) STABILIZATION PRACTICES:

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.
* SOD, IN ACCORDANCE WITH FDOT SPECIFICATIONS FOR ROADWAY & BRIDGE CONST. 2007, SECTION 570.
* LANDSCAPING.
* EARTHWORK ASSOCIATED WITH REPLACING THE CANAL WITH UNDERGROUND PIPE.

ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

2) STRUCTURAL PRACTICES:

TEMPORARY:

* SILT FENCE IN ACCORDANCE WITH INDEX 102 AND FDOT SPECIFICATIONS FOR ROADWAY & BRIDGE CONST. 2007, SECTION 104.
* STORM DRAIN INLET PROTECTION IN ACCORDANCE WITH INDEX 102. SILT FENCE WILL BE PLACED AROUND INLETS IN THE CONSTRUCTION ZONE OR WHERE THERE IS A POTENTIAL FOR SEDIMENTATION.

ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBING ACTIVITY UPSTREAM OF THE CONTROL.

FLOATING TURBIDITY BARRIERS IN ACCORDANCE WITH STANDARD INDEX 103 AND SPECIFICATIONS SECTION 104.

B. STORMWATER MANAGEMENT

ALL STORMWATER IN THE PROJECT WILL BE HANDLED BY WET DETENTION PONDS DISCHARGING INTO CANALS R-3 AND A-2

C. OTHER CONTROLS

1. DISCHARGE OF MATERIALS TO SURFACE WATERS - NO CONSTRUCTION MATERIAL SHALL BE DISCHARGED TO WATERS OF THE STATE UNLESS AUTHORIZED BY A SECTION 404 PERMIT AND/OR THE STATE OF FLORIDA ENVIRONMENTAL RESOURCE PERMIT. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN AN APPROVED UPLAND LOCATION. BUILDING MATERIAL SHALL NOT BE DISPOSED OF IN WETLANDS OR BURIED ON-SITE.

2. OFF-SITE VEHICLE TRACKING & DUST CONTROL: THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS.

STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFFSITE TRACKING.

LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY.

3. WASTE DISPOSAL - THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT BE LIMITED TO, VEGETATION FROM CLEARING AND GRUBBING ACTIVITIES, PACKAGING MATERIALS, SCRAP BUILDING MATERIALS, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS. CONTRACTOR SHALL DESIGNATE A WASTE COLLECTION AREA ONSITE AND DELINEATE THE AREA ON THE SWPPP SITE MAP.

SANITARY/SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION, FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS WILL COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS.

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR WILL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING, STOCKPILE AND FIELD OFFICE AREAS. WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.

4. FERTILIZERS AND PESTICIDES - THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURER RECOMMENDED METHOD AND IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALSO, THE APPLICATION AND HANDLING SHALL BE BY A FLORIDA CERTIFIED APPLICATOR WITH PROPER ENDORSEMENTS. A COPY OF CERTIFICATION TO BECOME PART OF PROJECT FILE.

HERBICIDE AND PESTICIDES SHALL BE STORED ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.

5. TOXIC/HAZARDOUS MATERIAL HANDLING - CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS, INCLUDING PETROLEUM PRODUCTS. SPILLS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORM WATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURER RECOMMENDED METHOD.

CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIALS SPILL CONTROL PLAN IN ORDER TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS.

PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.

TOXIC/HAZARDOUS MATERIALS EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLED AS PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

III. MAINTENANCE

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 104 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE MAINTENANCE OF THESE DEVICES WILL OCCUR UNTIL THE FDOT PROJECT ENGINEER HAS DEEMED AN AREA PERMANENTLY STABILIZED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ONCE THEY HAVE SERVED THEIR PURPOSE. THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE SITE, TO BE INCLUDED IN THE COST OF MOBILIZATION (PAY ITEM 101-1).

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. MAINTENANCE AND REPAIR REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE FOLLOWING PAY ITEM NUMBERS:

104-13-2 STAKED SILT FENCE (TYPE IV)

THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

104-13-2 STAKED SILT FENCE SHALL BE PLACED AS SHOWN IN STANDARD INDEX NO. 102.

TEMPORARY AND PERMANENT SODDING WILL BE INSPECTED AND REPAIRED FOR BARE SPOTS, WASHOUTS AND HEALTHY GROWTH AND SHOULD BE INCLUDED IN PAY ITEM NUMBER 570-1-2 (PERFORMANCE TURF).

BUILT-UP SEDIMENT WILL BE REMOVED FROM STAKED SILT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE FENCE OR IN THE EVENT WATER FLOW IS IMPEDED.

104-10-2 PROVIDED FOR SECONDARY FILTER AS NEEDED FOR EROSION.

104-11 FLOATING TURBIDITY BARRIERS

IV. INSPECTION

QUALIFIED PERSONNEL FROM THE LOCAL WMD SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT PRODUCES 0.50 INCHES OR MORE OF RAIN. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN. THE FOLLOWING ITEMS WILL BE INSPECTED:

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS.
* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
* STRUCTURAL CONTROLS.
* STORMWATER MANAGEMENT SYSTEMS.
* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
SCOTT PETERSON, P.E.
P.E. LICENSE NUMBER 52740
FDOT DISTRICT IV
3400 WEST COMMERCIAL BLVD
FT. LAUDERDALE, FL 33309

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 60	INDIAN RIVER	[illegible]

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO.

V. NON-STORMWATER DISCHARGE

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT THE FDOT PROJECT ENGINEER WHO WILL NOTIFY THE DISTRICT CONTAMINATION IMPACT COORDINATOR, AT (954) 777-4286, IN THE PLANNING & ENVIRONMENTAL OFFICE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A DEWATERING SYSTEM THAT PROVIDES PRETREATMENT OF EFFLUENT PRIOR TO DISCHARGE INTO ADJACENT SURFACE WATERS. THE CONTRACTOR'S DEWATERING METHOD MUST MEET ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING THIS PRACTICE INCLUDING THE USE OF PERMITTED OUTFALL STRUCTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND APPLY FOR A DEWATERING PERMIT WITH THE APPROPRIATE WATER MANAGEMENT DISTRICT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGNATE AN AREA WITHIN THE PROJECT LIMITS FOR CONCRETE TRUCK WASHOUT ACTIVITIES. THIS AREA SHALL PROVIDE EROSION CONTROL DEVICES THAT PREVENT CONTACT BETWEEN CONCRETE WASHOUT MATERIALS AND STORMWATER AND/OR SURFACE WATERS.

VI. CONTRACTOR'S SUBMITTAL

CONTRACTOR SUBMITTAL - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AN EROSION CONTROL PLAN THAT PROVIDES A DETAILED DESCRIPTION OF ALL EROSION AND SEDIMENT CONTROLS, BEST MANAGEMENT PRACTICES, AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH ACTIVITY IDENTIFIED IN SECTION I.B. SEQUENCE OF SOIL DISTURBING ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TIMEFRAMES IN WHICH THE CONTROLS WILL BE IMPLEMENTED, MAINTAINED AND REMOVED. THIS INFORMATION SHALL BE KEPT AT THE PROJECT FIELD OFFICE IN ORDER FOR THE PROJECT TO BE CONSIDERED IN COMPLIANCE WITH THE FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE FOLLOWING ITEMS ARE ON SITE:

1. COPY OF THE STORMWATER POLLUTION PREVENTION PLAN WITH THE ORIGINAL CERTIFICATION SIGNATURES.
2. COPY OF THE CONTRACTOR'S EROSION CONTROL PLAN.
3. HAZARDOUS SPILL CONTROL PLAN WITH GUIDELINES ON CONTACTING THE 24 HOUR EMERGENCY RESPONSE PROGRAM FOR HAZARDOUS MATERIAL SPILLS. THIS SHALL INCLUDE COPIES OF DISCHARGE NOTIFICATIONS THAT HAVE OCCURRED WITHIN THE PROJECT LIMITS.
4. COMPLETED INSPECTION FORMS.

THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE FOLLOWING ITEMS TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) IN ORDER FOR THE NPDES PERMIT TO BE PROCESSED:

FDEP FORM 62-621.300(4)(B) NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THIS NOTICE OF INTENT SHALL BE SIGNED BY THE CONTRACTOR, THE PERMITTING FEE OF $300.00 FOR PROJECTS THAT CLEAR AND GRUB MORE THAN FIVE ACRES, $150.00 FOR PROJECTS THAT CLEAR AND GRUB BETWEEN 1 AND 5 ACRES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT THE NOI TO FDEP NO LESS THAN 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROOF OF MAIL DATE TO THE PROJECT ADMINISTRATOR.

PERMITS ONLY
$DATE$ $TIME$
NOT FOR CONSTRUCTION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
SCOTT PETERSON, P.E.
P.E. LICENSE NUMBER 52740
FDOT DISTRICT IV
3400 WEST COMMERCIAL BLVD
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