

**NOTICE TO CONTRACTORS
COLUMBIA COUNTY PROJECT NO. 2007-05
NE TAMMY LANE**

Notice is hereby given that sealed bids will be received in the Columbia County Manager's office until 11:00 A.M. on May 30, 2007, for Columbia County Road Project 2007-05. This office is located on the second floor of the Courthouse Annex at 135 NE Hernando Avenue Room 203 Lake City, Florida 32055.

This project consists of improving NE Tammy Lane from SR 47 easterly, a distance of 1200 linear feet. Scope of work includes grading, limerock base widening, asphaltic concrete leveling and surface, sodding and incidental items.

The Bid Forms and Construction Specifications may be obtained from the County Manager's office during normal working hours (386) 755-4100.

The successful bidder will be required to furnish the County Manager with a performance bond and liability insurance prior to commencing work.

The Columbia County Commission reserves the right to reject any or all bids and to add to the contract or delete from the contract to stay within their funding capabilities.

Signed,

Elizabeth Porter, Chairperson
Board of County Commissioners
Columbia County, Florida

Run Dates: May 9 & 16
Charge: BCC

**Columbia County, Florida
Purchasing Department
General Instructions to Bidders**

These instructions will bind bidders and conditions herein set forth, except as specifically qualified in special bid and contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
 - A. The ability, capacity and skill of bidder to perform required service.
 - B. Whether the bidder can perform service promptly or within specified time.
 - C. The character, integrity, reputation, judgment, experience and efficiency of bidder.
 - D. The performance of previous contracts with Columbia County.
 - E. The suitability of equipment or material for county use.
 - F. The ability of bidder to provide future maintenance.
2. Payment Terms are net (30) unless otherwise specified. Favorable terms, discounts, may be offered and will be considered in determining low bids if they are deemed by Purchasing Department to be advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Unit price will prevail in case of errors.
4. All requested information shall be included in the envelope. All desired information must be included for your bid to receive full consideration.
5. If anything on the bid request is not clear, you should contact the Purchasing Director immediately.
6. A bidders list is available at the Purchasing Office.
7. Quote all prices F.O.B. our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope including Fed Ex, UPS or other delivery service envelopes, as a sealed bid. The name of the item being bid shall be shown on the outside in full.
9. No responsibility shall attach to any County representative or employee for the premature opening of bids not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised or excepted if determined to be in the counties best interest.
11. Bids received late will not be accepted, and the County will not be responsible for late mail delivery.
12. Telephone and facsimile bids will not be acceptable in formal bid openings (sealed bids). Should a bid be misplaced by the County and found later, it will be considered. Any bidder may request and shall receive a receipt showing the day and time any bid is delivered to the appropriate office of the County from the personnel thereof.

13. Bids requiring bid bonds will not be accepted if bond is not enclosed. Cash or certified check will be accepted in lieu of bond except on construction projects where cost exceeds \$40,000.
14. All bidders must be recognized dealers in the materials or equipment specified and is qualified to advise in their application or use. A bidder at any time requested must satisfy the Purchasing Office and the County Manager that he has the requisite organization, capital, plant, stock ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
15. Any alterations, erasures, additions, or admissions of required information or any changes to specifications or bidding schedule are done at the risk of the bidder. Any bid will be rejected that has a substantial variation, that is; a variation that affects price, quantity, and quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identification and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any sample submitted whenever it may be to the best interest of the County to do so for the purpose of testing.
17. The County will reject any material, supplies or equipment that did not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications or advertisements is for the purpose of bidding only. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment as evidenced by the manufacture's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with delivery of vehicle, certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.

23. All materials, equipment and supplies shall be subject to rigid inspection, under the immediate supervision of the Purchasing Department, its designee and /or the department to which they are delivered. If defective material, equipment, or supplies are discovered, the contractor, upon being instructed by the Purchasing Department or designee, shall remove, or make good such material, equipment, or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the Contractor release him from his obligation to perform and deliver to the County Sound and satisfactory materials, equipment, or supplies. The Contractor agrees to pay the costs of all tests upon defective material, equipment, or supplies or allow the costs to be deducted from any monies due him from the County.
24. Unless otherwise specified by the Purchasing Department all materials, supplies, or equipment quoted herein must be delivered within thirty (30) days from the day of notification or exceptions noted on bid sheets.
25. A contract will not be awarded to any corporation, firm, or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County to perform work satisfactorily, either to the character of the work, the fulfillment or guarantee, or the time consumed in completing the work.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all proposals in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Manager.
28. Unless otherwise specified the County reserves the right to award each items separately or on a lump sum basis whichever is in the best interest of the County.
29. The County reserves the right to reject any and/or all quotations, to waive any minor discrepancies in the bids for all bidders equally, quotations, or specifications, when deemed to be in the best interest of the County and also to purchase any part, all or none of the materials, supplies, or equipment specified.
30. Failure of the bidder to sign the bid or have the signature of an authorized representative or agent on the bid proposal in the space provided will be cause for rejection of the bid. Signature must be written in ink. Typewritten or printed signatures will not be acceptable.
31. Any bidder may withdraw his bid at any time before the time set for the opening of the bids. No bid may be withdrawn in the thirty- (30) day period after bids are opened.

32. It is mutually understood and agreed that if at any time the Purchasing Department or designee shall be of the opinion that the contract or any part thereof is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory, or that the contractor is willfully violating any of the conditions or covenants of the agreement, or executing the same in bad faith, the Purchasing Department or his designee shall have the power to notify the aforesaid contractor of the nature of the complaint. Notification shall constitute delivery of notice, or letter to address given in the proposal. If after three (3) working days of notification the conditions are not corrected to the satisfaction of the Purchasing Director, he shall thereupon have the power to take whatever action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his executors, administrators, successors, or assigns, shall pay the amounts of such excess to the County on notice made by the Purchasing Department or his designee of the excess due.
33. If the bidder proposes to furnish any item of foreign make or product, he shall write "foreign" together with the name of the originating country opposite such item on a proposal.
34. Any complaint from bidders relative to the invitation to bid or attached specifications shall be made prior to the time of opening bids; other wise, the bidder waives any such complaint.
35. Contracts may be cancelled by the County with or without cause on thirty- (30) days advance written notice.
36. All contractors submitting bids for road projects in excess of \$150,000 must be pre-qualified with the Florida Department of Transportation and shall provide proof of such qualification upon request.
37. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for Columbia County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturdays, Sundays and legal holidays), after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.
38. A person or affiliate who has been placed on the convicted vendor's list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to Columbia County, may not submit a bid on a contract with Columbia County for the construction or repair of a public building or public work, may not submit bids on leases of real property to Columbia County, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with Columbia County, and may not transact business with Columbia County for a period of 36 months from the date of being placed on the convicted vendor list.

**BID PROPOSAL
ROAD PROJECT NO. 2007-05
N E TAMMY LANE**

THE UNDERSIGNED hereby propose to furnish all materials, labor and supervision for construction of the subject project in conformance with the plans and specifications for the following unit prices:

ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL
1. Mobilization	Lump Sum	1		
2. Maintenance of Traffic	Lump Sum	1		
3. Grading (Including Borrow)	Lump Sum	1		
4. Stabilizing (Including Material)	Lump Sum	1		
5. Limerock Base (10" minimum)	Sq. Yd.	1,750		
6. Asphaltic Concrete (SP)	Ton	850		
7. Manhole Top	Lump Sum	1		
8. Asphalt Milling	Sq. Yd.	500		
9. Traffic Stripping (6")	Lump Sum	1		
10. Sodding (Bermuda)	Sq. Yd.	6,000		
11. Silt Fence	Lin.Ft.	2,200		
12. Concrete Curb & Gutter	Lin.Ft.	50		
TOTAL AMOUNT OF BID				

- 6. Approximately 130 Tons of 9.5 for leveling and 720 Tons of 12.5 for Structural and Surface. Final Surface shall be virgin mix.
- 7. Inlet modifications to provide Manhole Top.
- 8. Final limits to be established by the Engineer.
- 9. Include all requirements (temporary and permanent). Two applications required on final stripping. Thermoplastic in areas as required by FDOT.
- 12. Includes sidewalk and handicap ramp.

FIRM _____

BY _____

President

(Seal)

ATTEST _____

PROJECT SUNSHINE

NE TAMMY LANE RESURFACING AND WIDENING

FOR:
 COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
 135 NE. HERNANDO STREET
 LAKE CITY, FL. 32055
 PHONE: (386)755-4100



STRUCTURAL/CIVIL ENGINEERS

GTC Design Group
 P.O. Box 187
 130 West Howard Street
 Live Oak FL, 32064
 Phone: (386) 362-3678
 Fax: (386) 362-6133
 Chadwick Williams, PE 63144
 Auth. #: 9461

COLUMBIA COUNTY PROJECT NUMBER 2007-05

PROJECT LOCATION



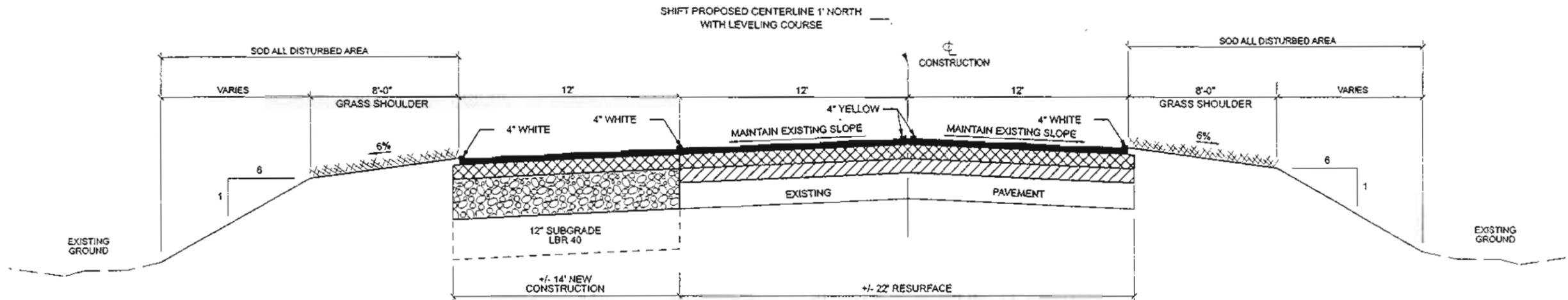
SHEET INDEX

GTC PROJECT NUMBER:
 PF06-199

1	GENERAL NOTES AND TYPICAL SECTION
2	KEY SHEET
3	FDOT CONNECTION EXISTING CONDITIONS
4	FDOT CONNECTION DETAILS/NOTES
5	STRIPING PLAN
6	EROSION CONTROL DETAILS
PP1-PP3	PLAN AND PROFILE SHEETS
XS1-XS5	CROSS SECTIONS

LOCATION MAP

SECTION 17, TOWNSHIP 3 SOUTH, RANGE 17 EAST
 COLUMBIA COUNTY, FLORIDA

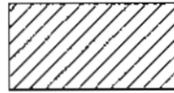


TYPICAL ROAD SECTION
SCALE: N.T.S.

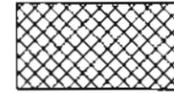
SEE PROPOSED CROSS SECTION



10" LIMEROCK BASE COURSE



100 LB./SY LEVELING COURSE
MIN 1"
SP 9.5



150 LB. STRUCTURAL COURSE
MIN 1 1/2"
SP 12.5



SURFACE COURSE
MIN 1 1/2"
SP 12.5 VIRGIN MIX

GENERAL NOTES

- The contractor shall verify all existing conditions and dimensions at the job site to insure that all new work will fit in the manner intended on the plans. Should any conditions exist that are contrary to those shown on the plans, the contractor shall notify the engineer of such differences immediately prior to proceeding with the work.
- The contractor shall maintain the construction site at all times in a secure manner. All open trenches and excavated areas shall be protected from access by the general public.
- All construction materials to be according to the latest edition of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction and the Florida Department of Transportation Design Standards.
- The contractor shall verify all conditions and dimensions at the job site to ensure that all work will fit in the manner intended on the plans. Should any conditions exist that are contrary to those shown on the plans, the contractor shall notify the engineer of difference immediately and prior to proceeding with the work.
- Contractors shall adhere to the Erosion Control Plan. All erosion control measures shall be implemented prior to construction and be continued until construction is complete. Contractor shall take necessary measures to minimize erosion, turbidity, nutrient loading and sedimentation to adjacent lands and low areas. The Erosion and Sediment Control Plan shall be maintained as designed and upgraded as needed as directed by Engineer or SRWMD personnel. Construction designs and specifications as outlined by the "Florida Erosion and Sediment Control Inspectors Manual" shall be adhered to.
- Boundary and topographical information shown was obtained from a survey performed by Donald Lee and Associates, Inc., Florida Certificate No. 7042
- Any public land corner within the limits of construction is to be protected. If a corner monument is in danger of being destroyed and has not been properly referenced, the contractor should notify the engineer.
- All erosion control measures shall be implemented prior to construction.
- Contractor shall coordinate all work with other contractors within project limits.
- All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
- Existing drainage structures within the construction limits shall be removed, unless otherwise specified in the plans.
- The contractor shall waste all excess earth on site as directed by the engineer.
- All site construction shall be in accordance with the Columbia County Land Development Regulations.
- Water is to be supplied by individual wells and sewage disposal by individual on-site septic tanks and drainfields per County and Florida Department of Health.
- The location of the utilities shown in the plans is approximate only. The exact location shall be determined by the contractor during construction.
- Contractor shall review and become familiar with all required utility connections prior to bidding. Contractor shall provide all work and materials required to complete connection to the existing utilities. This includes, but is not limited to, manhole coring, wet taps, pavement repairs and directional boring.
- A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
- Sod to be certified Bahai sod.

REVISION NOTES

DATE

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STRUCTURAL/CIVIL ENGINEERS

NE TAMMY LANE

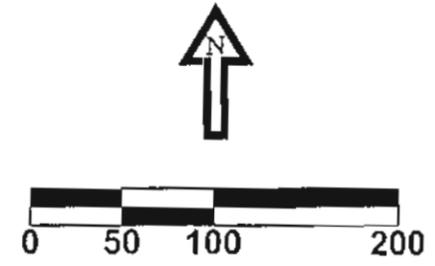
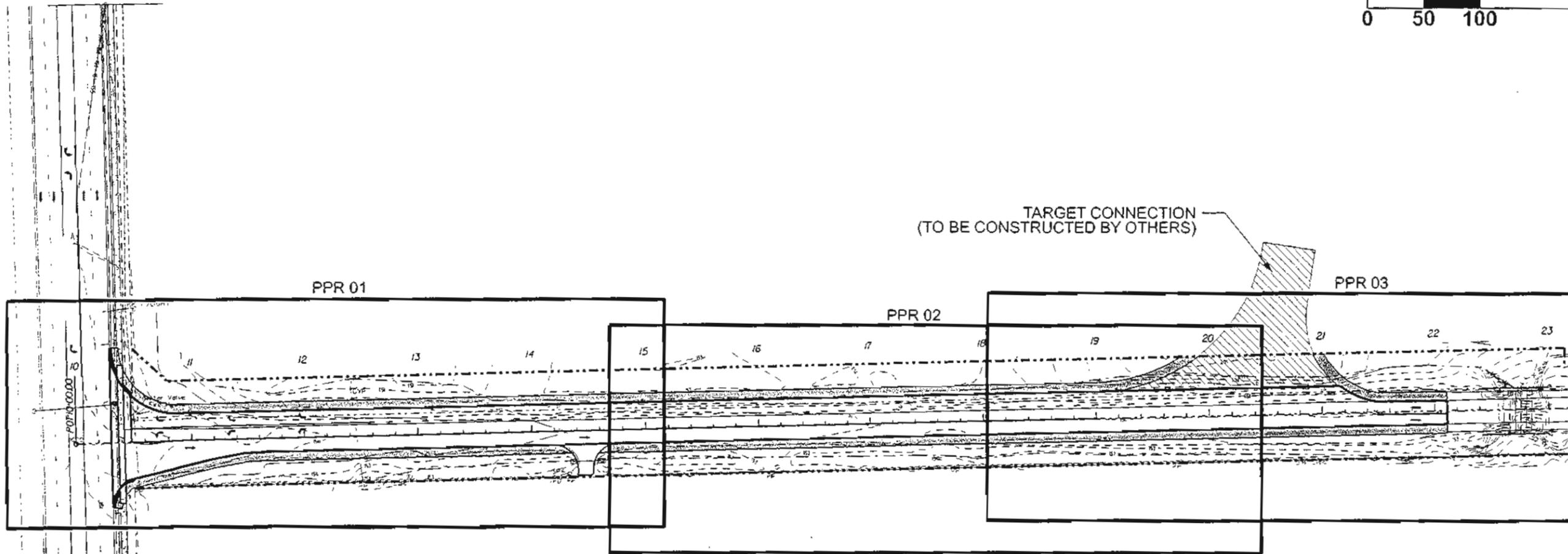
GENERAL NOTES

PROJECT NUMBER

PF06-199

SHEET

1



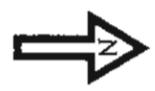
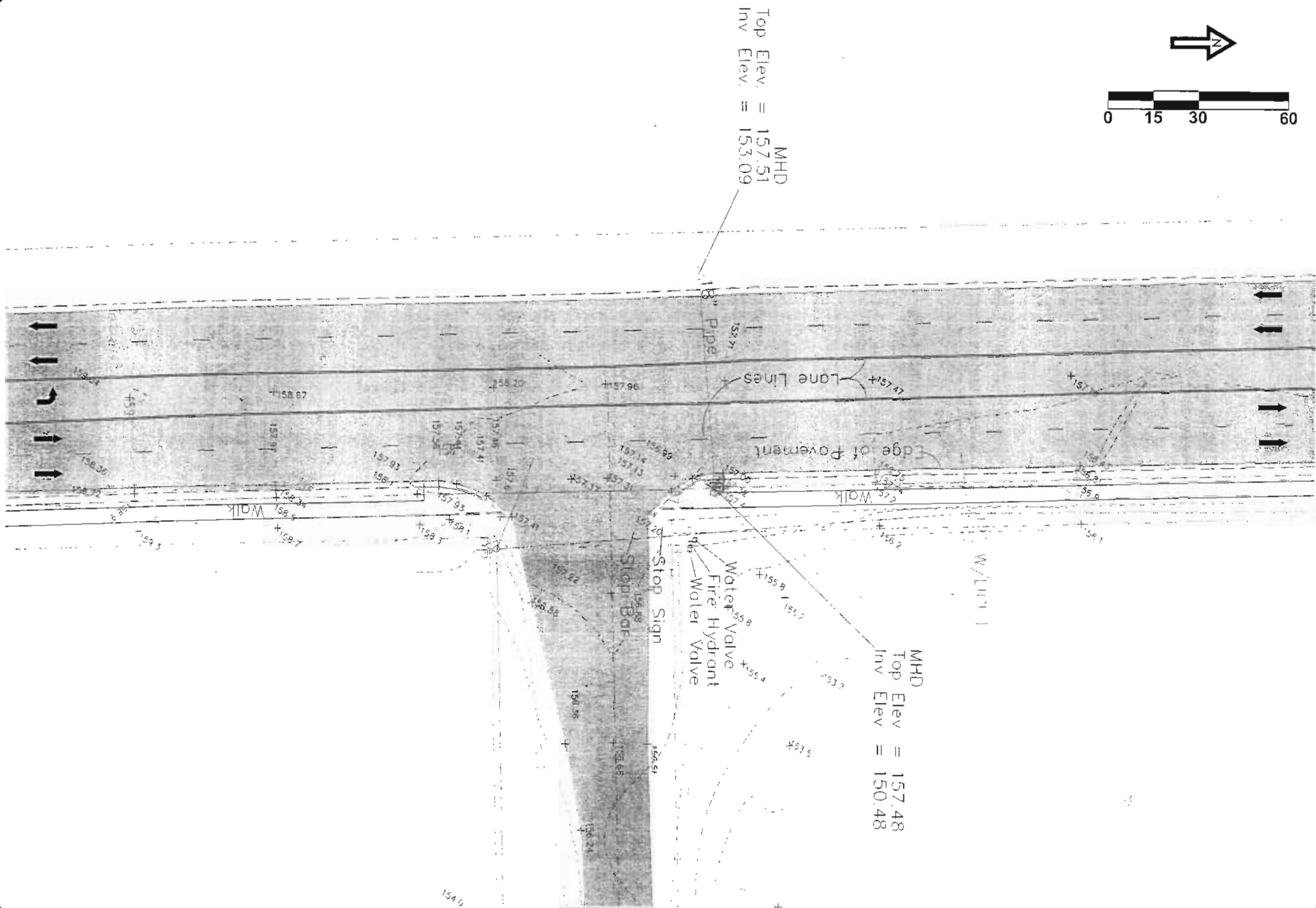
DATE	REVISION NOTES

P.O. Box 187
 130 West Howard Street
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 Fax: (386) 362-6133



NE TAMMY LANE
KEY SHEET

PROJECT NUMBER	PF06-199
SHEET	2



MHD
Top Elev. = 157.51
Inv Elev. = 153.09

MHD
Top Elev. = 157.48
Inv Elev. = 150.48

DATE	REVISION NOTES
11-7-06	ADDED FOOT INDEX
	REFERENCES
11-7-06	MODIFIED STOP SIGN NOTE

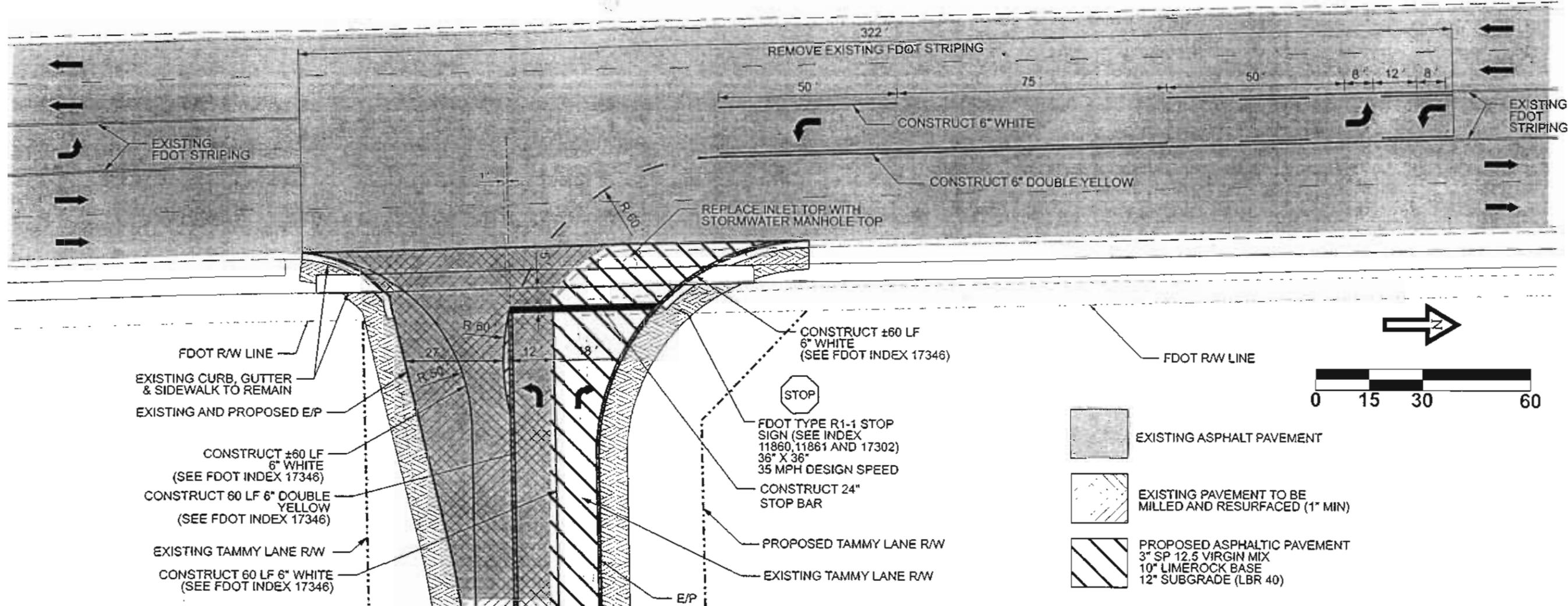
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STRUCTURAL CIVIL ENGINEERS

**NE TAMMY LANE
FDOT DRIVEWAY
EXISTING CONDITIONS**

PROJECT NUMBER	PF06-199
SHEET	3



FDOT CONNECTION AND DRAINAGE NOTES

1. The driveway connection is to be constructed in accordance with the Florida Department of Transportation Standard Specifications for Road and Bridge Construction (Current Edition) and the Roadway and Traffic Design Standards (Current Edition).
2. The traffic signs and pavement markings shall conform to the requirements of the Manual on Uniform Traffic Control Devices (Current Edition) and the Florida Department of Transportation Roadway and Traffic Design Standards (Current Edition). According to State Indexes 17302 & 17346, all pavement markings pertaining to the driveway access permitted through FDOT shall be constructed with certified lead-free, thermoplastic material. This requirement shall include any driveway(s) "Special Pavement Markings" shown to the permitted access connection and shall include those markings lying both ON and OFF the State Right-of-Way.
3. All permitted pavement striping pertaining to this access permit shall require Certified Lead Free Thermoplastic Marking Materials as the final placement. Item. Temporary Traffic bearing paint shall be required to be in place 30 minutes before official sundown. Both Temporary Traffic Bearing Paints and Thermoplastic Marking Materials shall be Lead Free and shall meet/obtain FDOT minimum specifications for Night Reflectivity. Temporary RPM's shall be installed during both temporary and permanent striping phases.
4. Failure by the permittee and/or his/her contractor to have a certified striping crew on site before the start of paving can be reason to suspend the approved permit until such time as the permittee and/or his/her contractor corrects the situation to the satisfaction of the on-site State FDOT Permits Personnel/Inspector.
5. The existing asphalt paved shoulder shall be mechanically saw cut and removed as well as all pre-existing subgrade materials within the limits of the project improvements work zone or as may be called for under the state FDOT permit.

6. Maintenance of traffic shall be performed in accordance with the Florida Department of Transportation Roadway and Traffic Design Standard Indexes 600 & 625.
7. The contractor shall obtain three (3) density tests according to the FDOT Standard Specifications for Road and Bridge Construction (Current Edition). Limerock shall be compacted to 98% of the maximum density as determined by AASHTO T 180. A copy of the tests shall be submitted to FDOT before starting any paving operations.
8. All areas disturbed within FDOT right-of-way shall be resodded with "Certified Coastal Bermuda Grass Sod". All sod shall be installed to FDOT satisfaction before paving may commence.
9. All FDOT right-of-way restoration, grass sod placement and/or seeding and straw mulch required under this approved state access permit shall be in place and have received two (2) waterings and also have received a passing inspection for permit compliance for this item before any type of asphalt paving or concrete driveways can commence upon state FDOT right-of-way property. Be aware that no paving or concrete pours can commence until all of the above restoration over said project.
10. All areas of the State right-of-way within the limits of construction with a proposed finish grade slope of 1:4 or steeper shall be completely covered with Certified Coastal Bermuda Grass or an FDOT approved alternative grass sod. This provision shall be met a minimum of 24 hours in advance of any planned paving or concrete pour that is approved under the FDOT access or drainage permit. Refer to the attached permit cover letter and/or approved site plan or plan notes on R/W restoration for additional restoration provisions and other sodding specifications.
11. All permitted and proposed work/construction upon State FDOT right-of-way shall conform to the State of Florida's most current Roadway and Traffic Design Standards Manual, the State FDOT's Standard Specification for Road and Bridge Construction, the approved permit provisions, cover letter, general and special permit provisions.

12. The permittee or legal representative shall contact the local State of Florida FDOT Maintenance Permits Office having jurisdiction over this approved permit. A minimum of 48 hours in advance of the planned activation of said access permit for the explicit purpose of setting up the mandatory pre-construction meeting with all parties involved in the construction of this project. Contact can be made by calling 386-961-7180 or 7193 or 7148 Tuesday through Friday, 7:00 A.M. to 5:00 P.M. Failure on the permittee's or his general construction contractor's part to make advance contact for a mutually agreed to pre-construction meeting shall be reason for suspension of the approved FDOT Access Permit.
13. If drainage connection has been permitted and is required as a provision of the approved FDOT site plan and physical drainage connection is required into existing FDOT structure(s): Then the actual entry shall be made by smooth core method only, with no more than maximum of 0.500 of an inch overbore allows. The permittee shall make advance preparations to have the FDOT permits inspector on site at the time of commencement of entry to ensure water tight seal is made to FDOT standards. Neither the permittee nor any representative of the permittee shall conduct this phase of the project without a FDOT inspector on site. All permitted and approved or required pavement markings shall be constructed with lead-free, thermoplastic materials in accordance with FDOT Index No. 17346 under special pavement markings.
14. All permitted aboveground signage shall conform to FDOT Index No. 11860 and 17302. Aboveground posted signs and sign bracket attachments shall be installed prior to the final driveway construction in accordance with FDOT Indexes 11860 and 17302.
15. Failure to abide by the attached general, special permit provisions, as well as the attached cover letter (a legal part of the permit) shall be reason to suspend any or all FDOT approved permitted activities until such time that the situation has been corrected to FDOT satisfaction.
16. No paving shall commence until all required density test have been delivered to the FDOT Lake City Maintenance, Access Permits Office and have met the minimum FDOT specifications
17. Mill and resurface as required to provide smooth intersection of US 441 and NE Tammy Lane

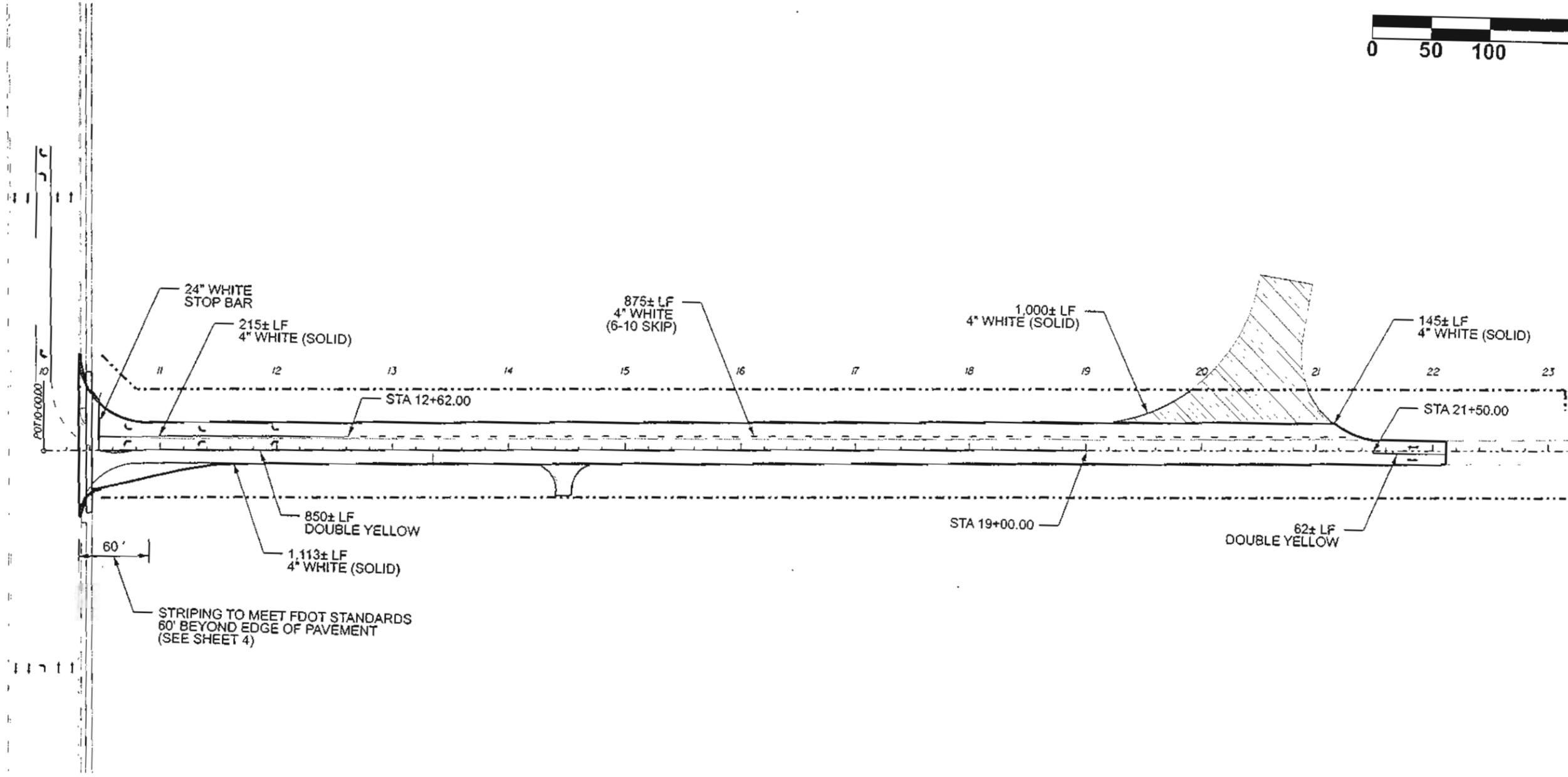
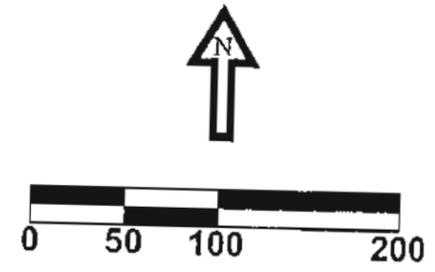
REVISION NOTES	DATE
ADDED FDOT INDEX	11-7-06
REFERENCES	
MODIFIED STOP SIGN NOTE	11-7-06

P.O. Box 187
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**NE TAMMY LANE
 FDOT DRIVEWAY CONNECTION
 SIGNS & PAVEMENT MARKING PLAN**

PROJECT NUMBER	PF06-199
SHEET	4



DATE	REVISION NOTES

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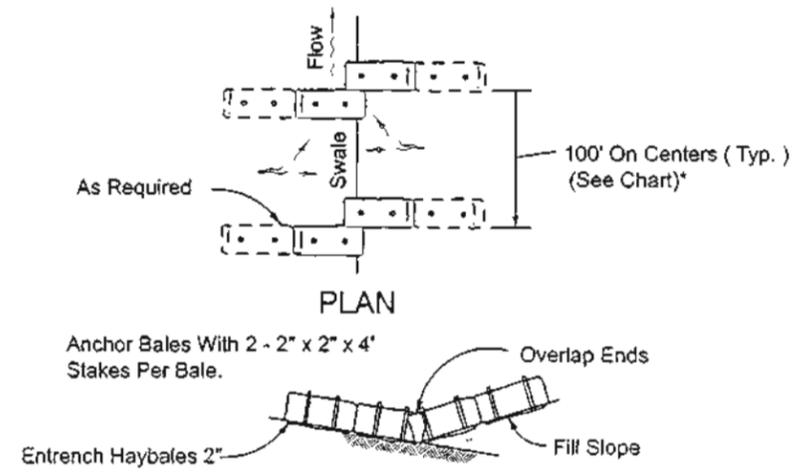
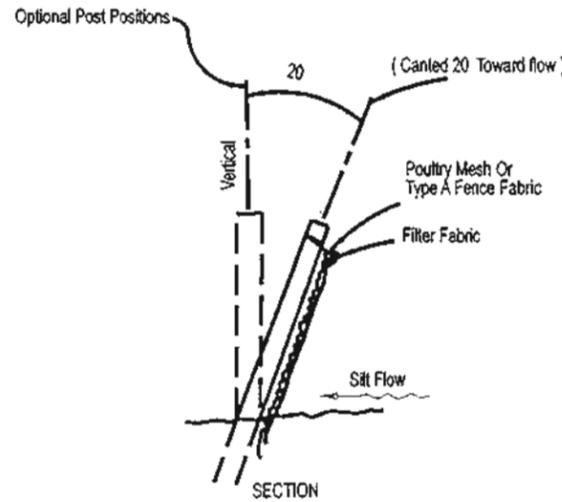


NE TAMMY LANE
STRIPING PLAN

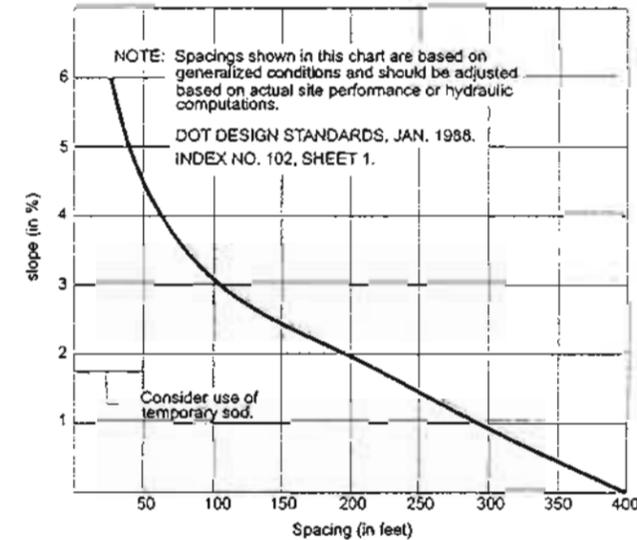
PROJECT NUMBER	PF06-199
SHEET	5

EROSION CONTROL NOTES

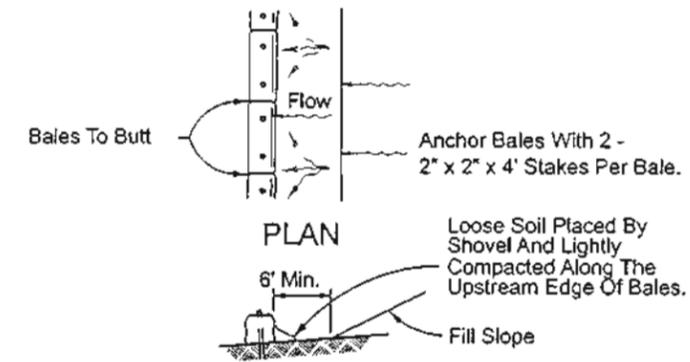
- Contractor shall adhere to Columbia County, SRWMD and other governing authorities for erosion and sediment control regulations. Contractor shall use BMP's from "The Florida Development Manual".
- Sediment and erosion control facilities, storm drainage facilities and detention basins shall be installed prior to any other construction.
- Erosion control measures shall be inspected weekly and after each rainfall and replaced as necessary.
- Sediment and erosion control measures shall not be removed until all construction is complete and until a permanent ground cover has been established.
- All open drainage swales shall be grassed and riprap shall be placed as required to control erosion.
- Silt fences shall be located on site to prevent sediment and erosion from leaving right-of-way limits.
- Additional erosion control devices shall be used as required.
- Silt fence shall be cleaned or replaced when silt builds up to within one foot of top of silt fence.
- During construction and after construction is complete, all structures shall be cleaned of all debris and excess sediment.
- All grades areas shall be stabilized immediately with a temporary fast-growing cover and/or mulch.
- A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
- All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
- Staked silt fences shall be placed near all box culvert extensions in accordance with FDOT Standard Index 102.
- Disturbed areas shall be stabilized with sodding and grassing and mulching. All side slopes steeper than 3:1 shall be adequately protected from erosion through the use of hay bales or sodding.
- All stabilization practices shall be initiated as soon as practicable in areas of the job where construction activities have temporarily or permanently stopped, but in no case shall the disturbed area be left unprotected for more than three (3) days.
- If the proposed erosion control plan does not work, the contractor should use the BMP's in the Florida Erosion and Sediment Control Inspector's manual to implement a plan that will work and meet actual field conditions.
- All waste generated on the project shall be disposed of by the contractor in areas provided by contractor.
- Loaded haul trucks shall be covered with tarps.
- Excess dirt shall be removed daily.
- Fertilizer shall be applied as specified in the plans and specifications.
- This project shall comply with all water quality standards. Permit required from SRWMD has been obtained.
- All pollution controls shall be maintained at all times.
- Straw bales shall be placed to remove sediment. Straw bales shall be replaced after three (3) months or when sediment reaches one-half (1/2) the height of the bales.
- Qualified personnel shall inspect the area used for storage of stockpiles, the silt fence and straw bales, the location where vehicles enter or exit the site, and the disturbed areas that have not been finally stabilized, at least once every seven (7) calendar days and within 24 hours of the end of a storm of 0.2 inches or greater.
- Sites that have been finally stabilized with sod or grassing shall be inspected at least once every week.
- Contractor is responsible for the construction and maintenance of all erosion and sedimentation controls during proposed construction.



ELEVATION
TO BE USED ALONG ALL DITCHES AND AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

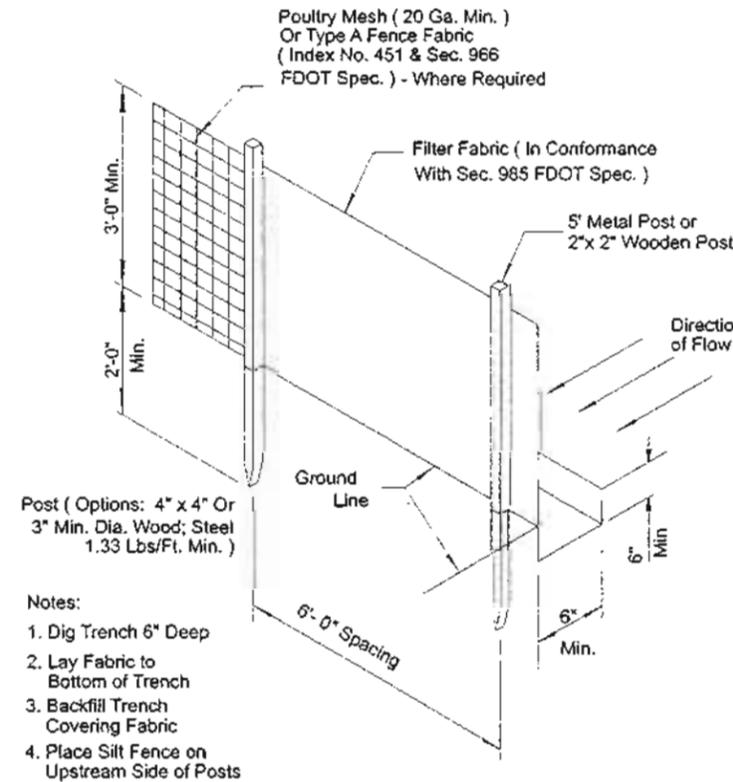


*RECOMMENDED SPACING FOR TYPE I HAY BALE BARRIERS.



ELEVATION
TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

STAKED HAY BALES



TYPE IV SILT FENCE

AS COMPARED TO TYPE III SILT FENCE, TYPE IV FENCE HAS GREATER STRENGTH AND HEIGHT WHICH REDUCES THE POSSIBILITY OF SEDIMENT AND WATER FROM OVERTOPPING THE FENCE. AS A RESULT, AVOID USING TYPE IV FENCE IN AREAS WHERE THE DETAINED WATER WOULD BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

REVISION NOTES	
DATE	

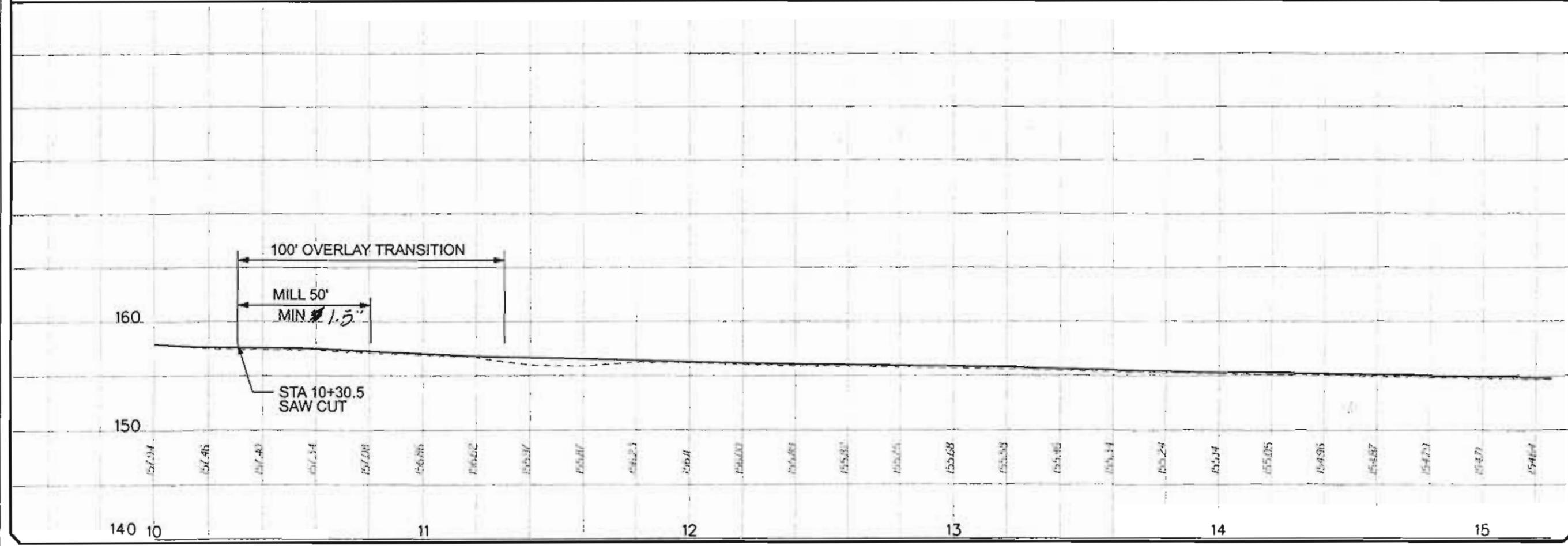
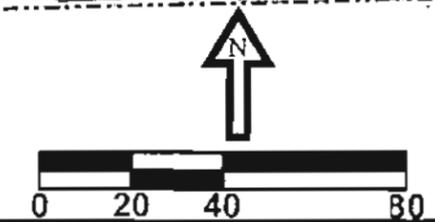
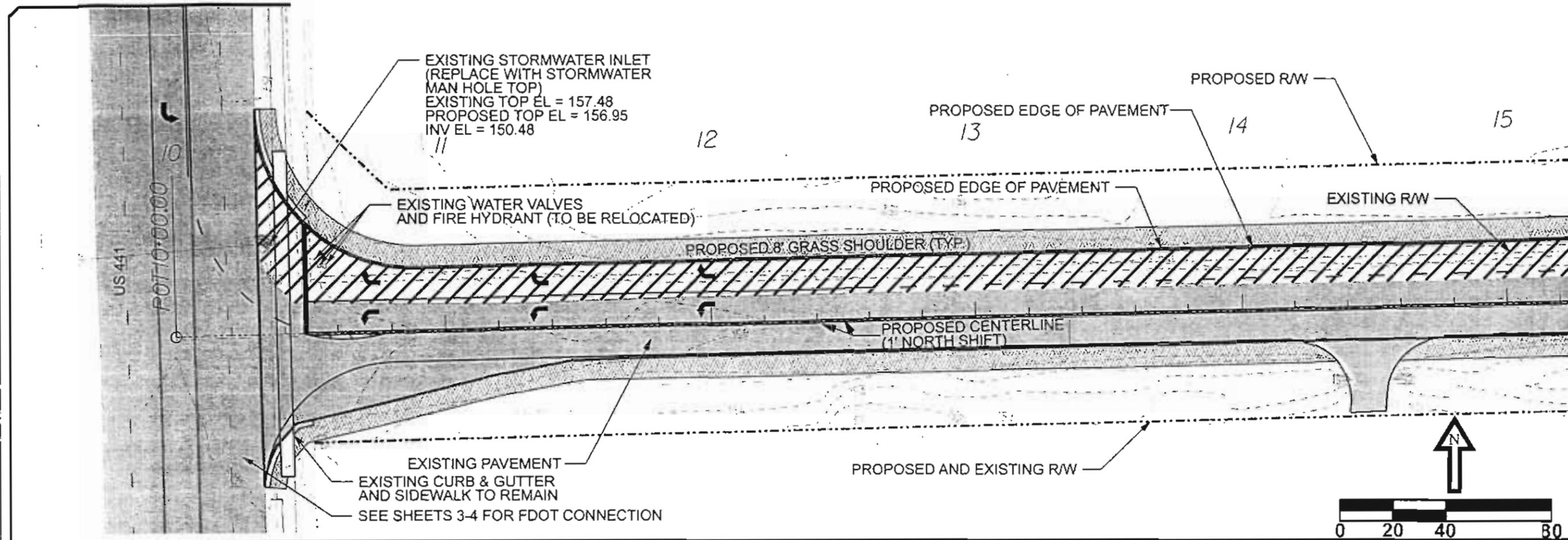
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Fax: (386) 362-6133



STRUCTURAL/CIVIL ENGINEERS

**NE TAMMY LANE
EROSION CONTROL
NOTES AND DETAILS**

PROJECT NUMBER	PF06-199
SHEET	6



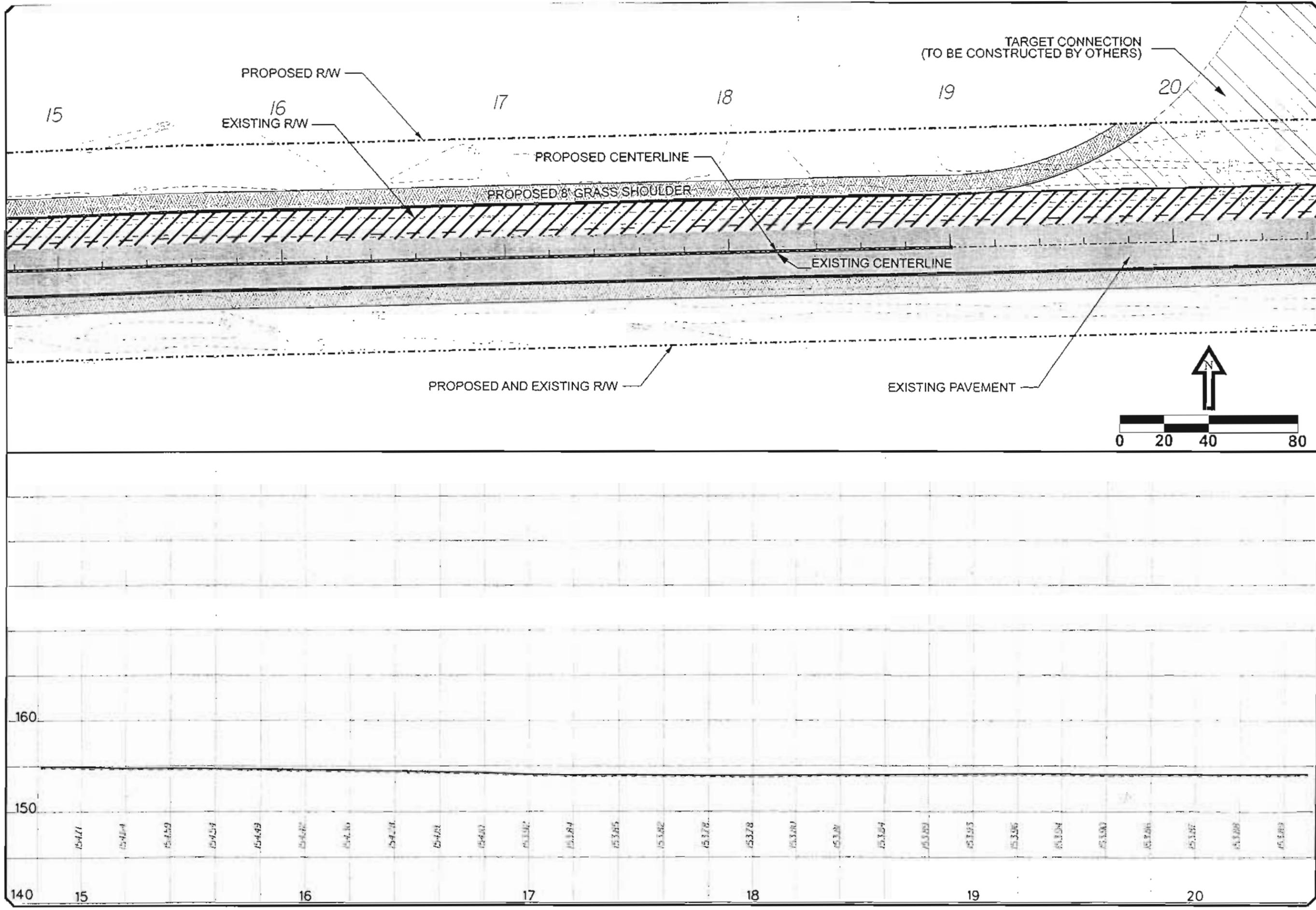
DATE	REVISION NOTES
4-10-2007	MODIFIED SHOULDER

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PROJECT NUMBER	PF06-199
SHEET	PP 1



REVISION NOTES
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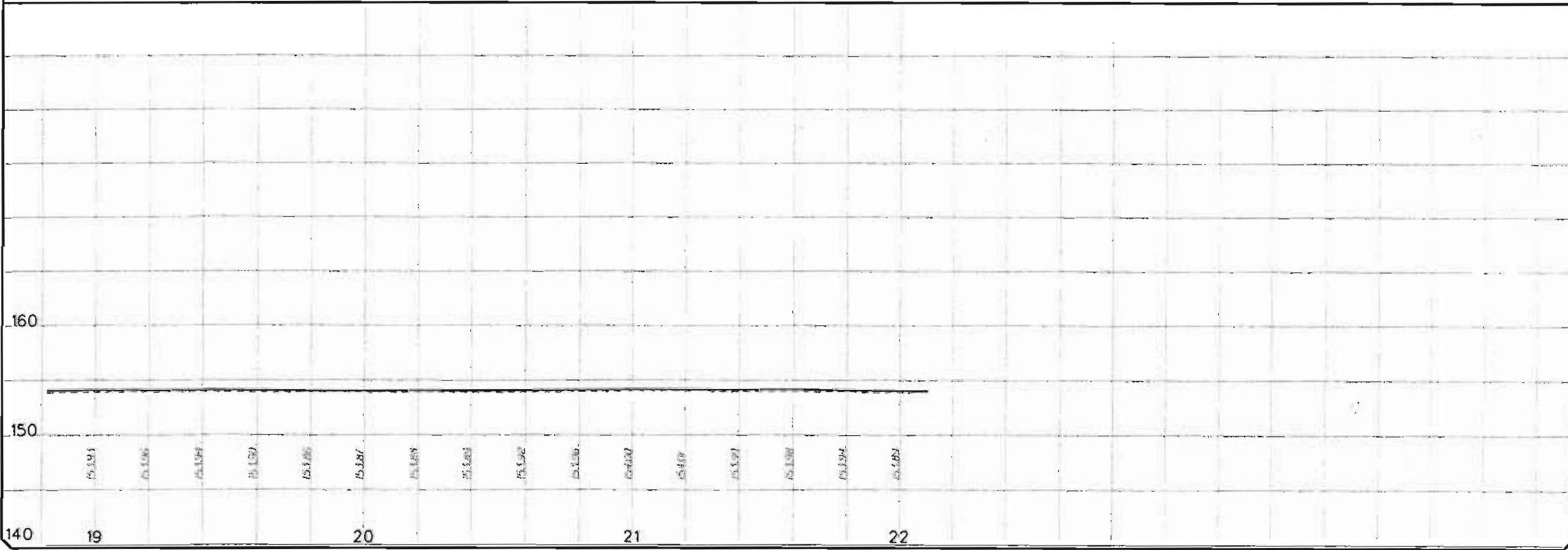
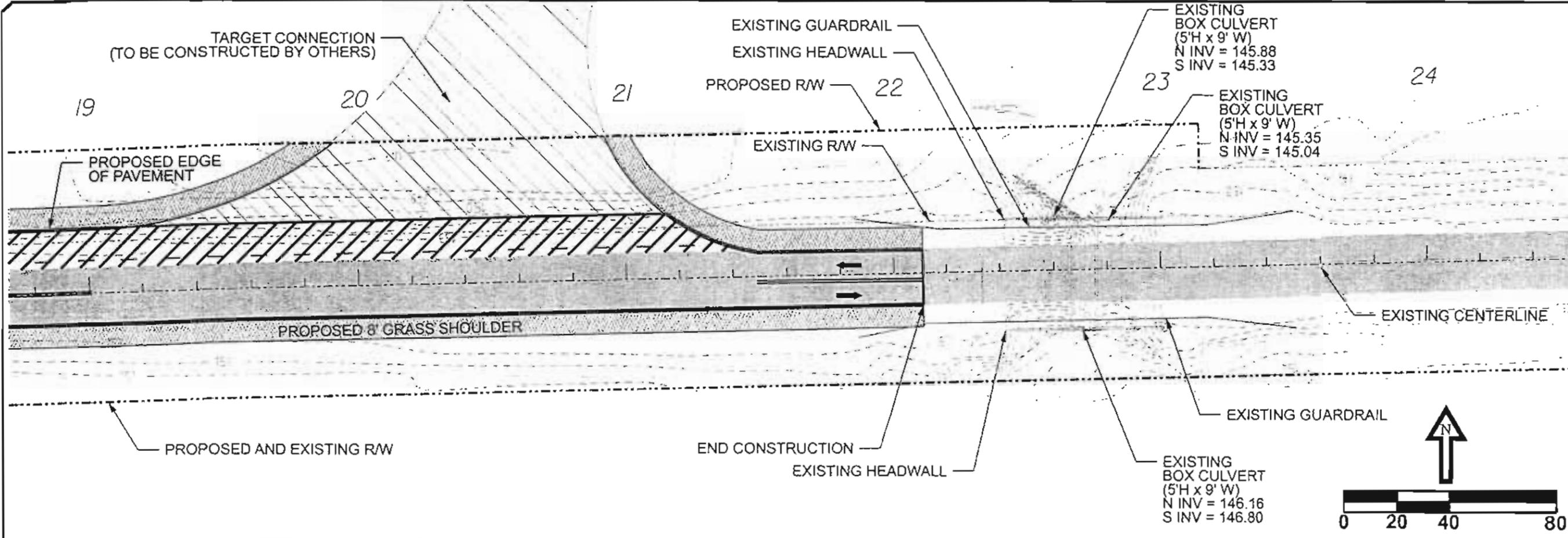
DATE
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PROJECT NUMBER	PF06-199
SHEET	PP 2



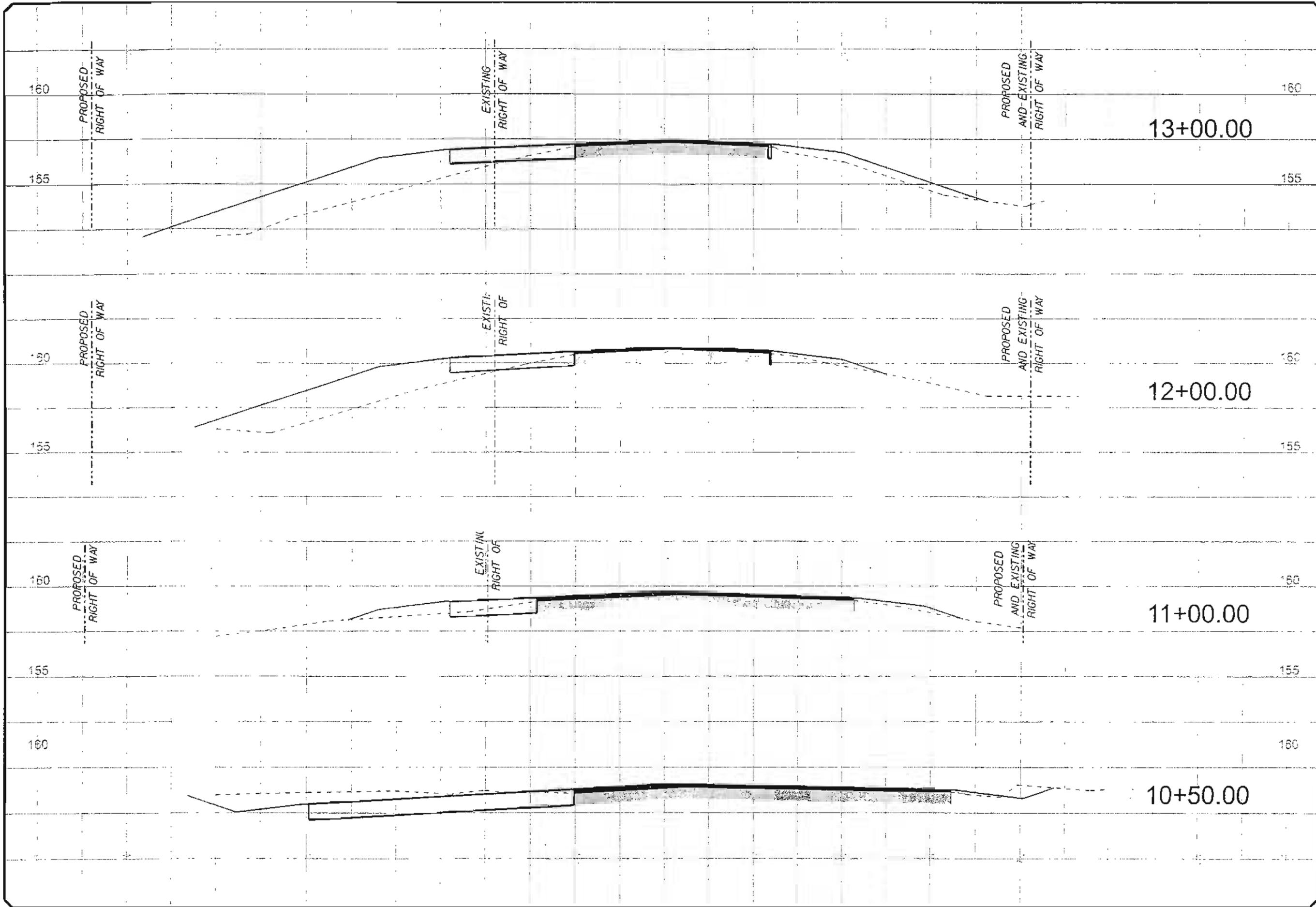
REVISION NOTES	DATE
MODIFIED SHOULDER	4-10-2007

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SHEET	PP 3



DATE	REVISION NOTES
4-10-2007	MODIFIED SHOULDER

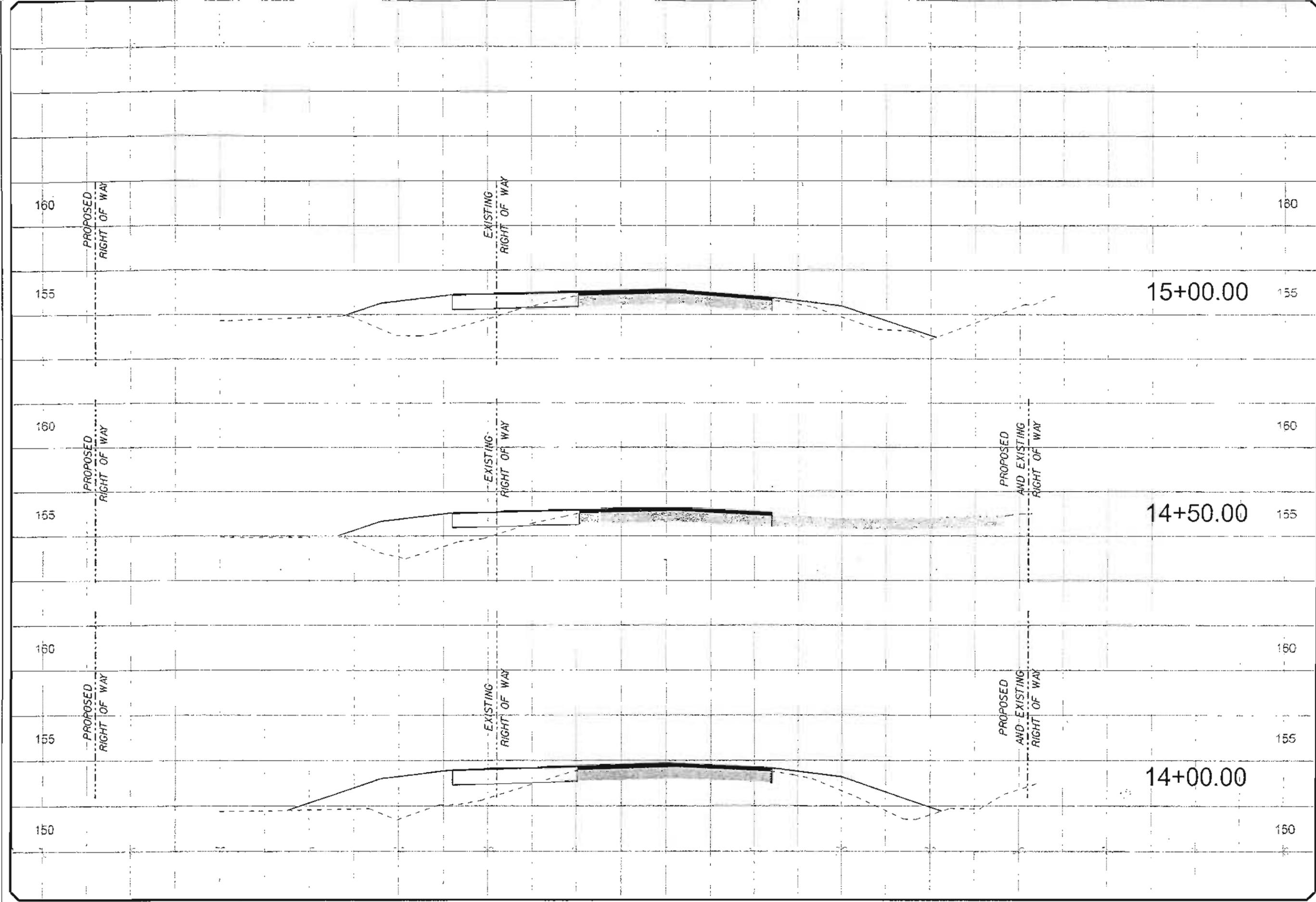
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STRUCTURAL/CIVIL ENGINEERS

NE TAMMY LANE
CROSS SECTIONS

PROJECT NUMBER	PF06-199
SHEET	XS1



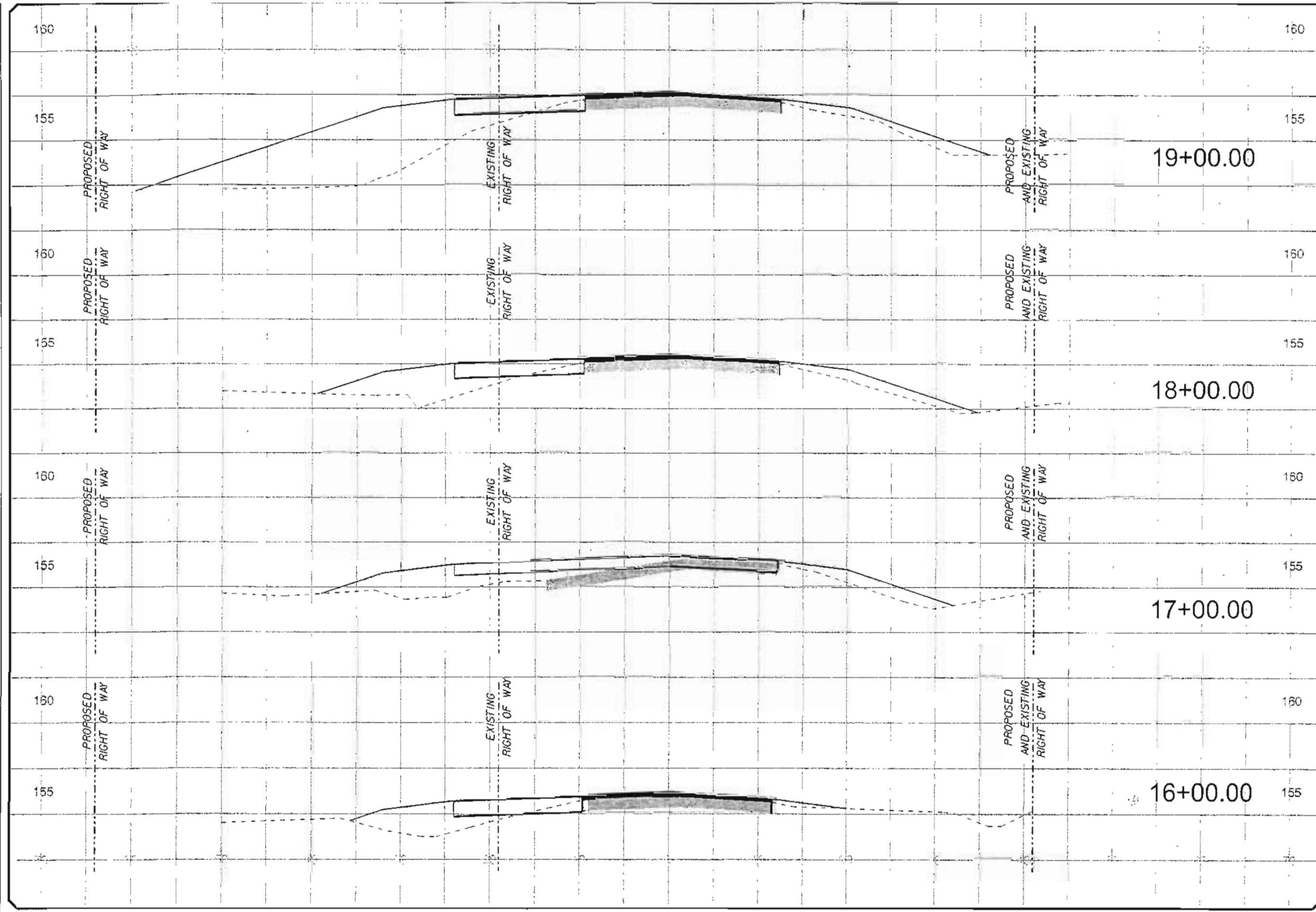
DATE	REVISION NOTES
4-10-2007	MODIFIED SHOULDER

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**NE TAMMY LANE
 CROSS SECTIONS**

PROJECT NUMBER	PF06-199
SHEET	XS2



DATE	REVISION NOTES
4-10-2007	MODIFIED SHOULDER

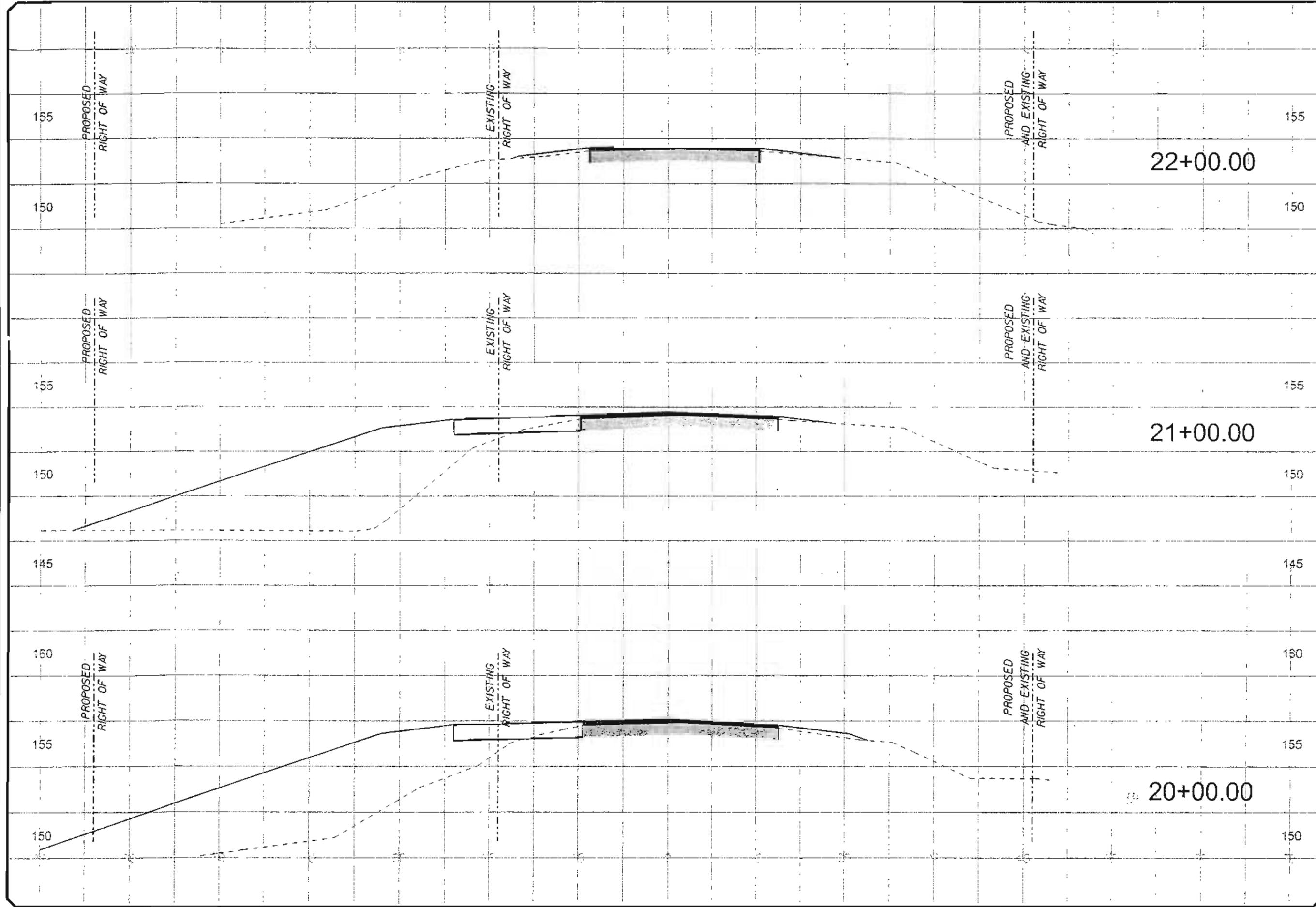
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STRUCTURAL/CIVIL ENGINEERS

NE TAMMY LANE
CROSS SECTIONS

PROJECT NUMBER	PF06-199
SHEET	XS3



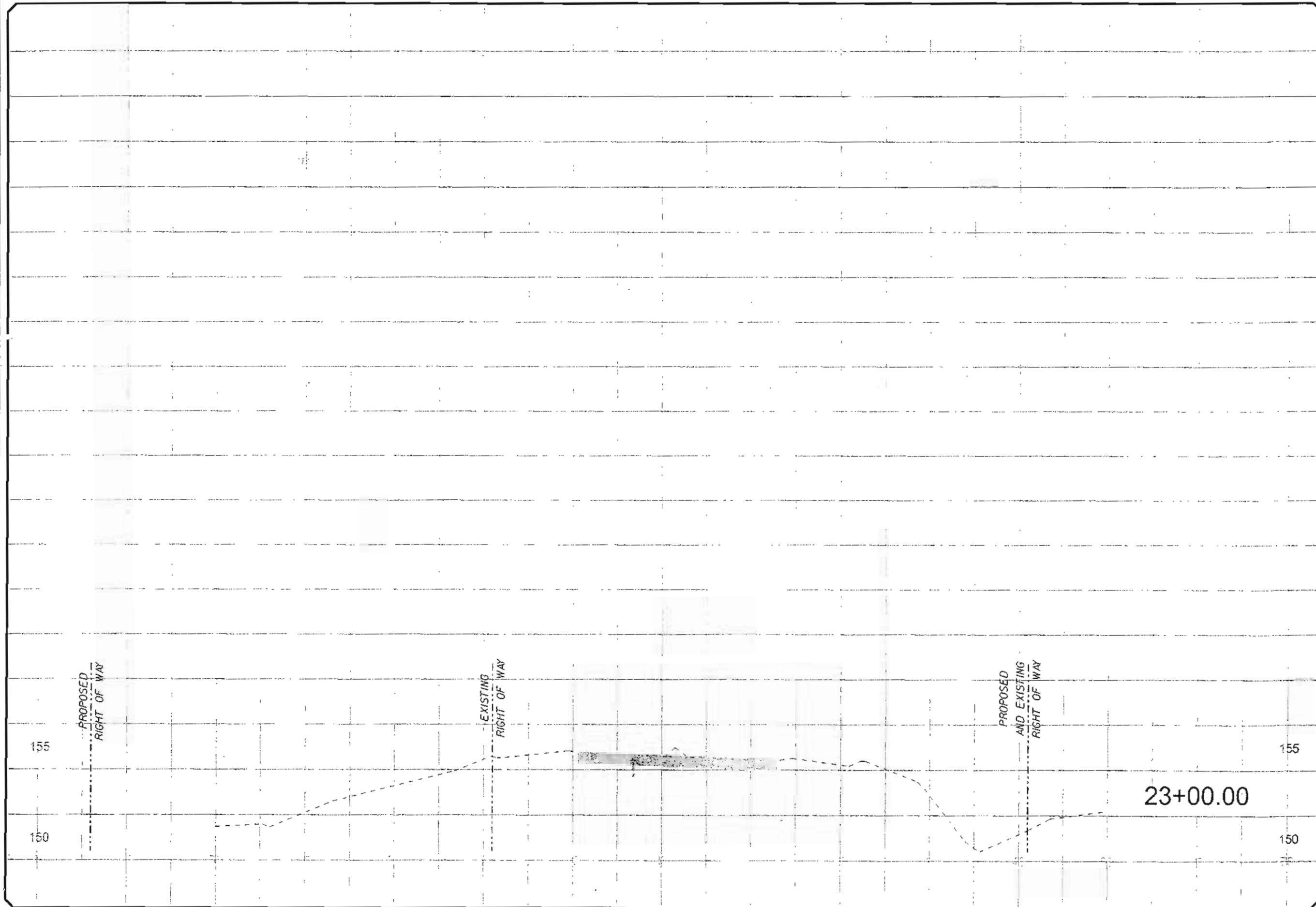
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**NE TAMMY LANE
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PROJECT NUMBER	PF06-199
SHEET	XS4



DATE	REVISION NOTES
4-10-2007	MODIFIED SHOULDER

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NE TAMMY LANE
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PROJECT NUMBER
PF06-199

SHEET
XS5