

DATE: 21 APR 99  
 PROJECT NO.: 012

SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

TO: USACE - BUTTACO DIST.  
 ATT: HANK WALTERS

FROM: RADIAN INT LLC  
 BUTTACO FIELD OFFICE

CONTRACT NO.  
 DACA 31-96-D-0026  
 D.O. # 25

CHECK ONE:  
 THIS IS A NEW TRANSMITTAL  
 THIS IS A RESUBMITTAL OF TRANSMITTAL \_\_\_\_\_

SPECIFICATION SEC. NO. (Cover only one section with each transmittal) ACT # 40(A) FROM 4288 \*

PROJECT TITLE AND LOCATION  
 LOGAN LEWISTON/PORTER NY

CHECK ONE: THIS TRANSMITTAL IS FOR  FIO  GOV'T. APPROVAL

ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, size, model number, etc.)	MFG OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (See instruction no. 8)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE	VARIATION (See instruction No. 6)	FOR CE USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.			
a.	b.	c.	d.	e.	f.	g.	h.	i.
1	TNT PIPELINE REMOVAL/RESTORATION DETAIL		5					A
2	AASHTO # 57 CEMENT							A
3	TOP SOIL MANUFACTURE'S LIT		↓					A
4	CALCULATIONS/TAKE OFFS **		↓					A

REMARKS

\*\* TAKE OFFS ARE FROM 60% DESIGN CONSTRUCTION SPECS PLATES 4 & 5

\* ACTIVITY 40 FROM 4288 HAS BEEN AMENDED FOR THIS SUBMITTAL. 4288 WILL BE UPDATED ACCORDINGLY

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

C. Davis Wilder  
 C. Davis Wilder

NAME AND SIGNATURE OF CONTRACTOR

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)

NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY  
 H Walter C.O.R.

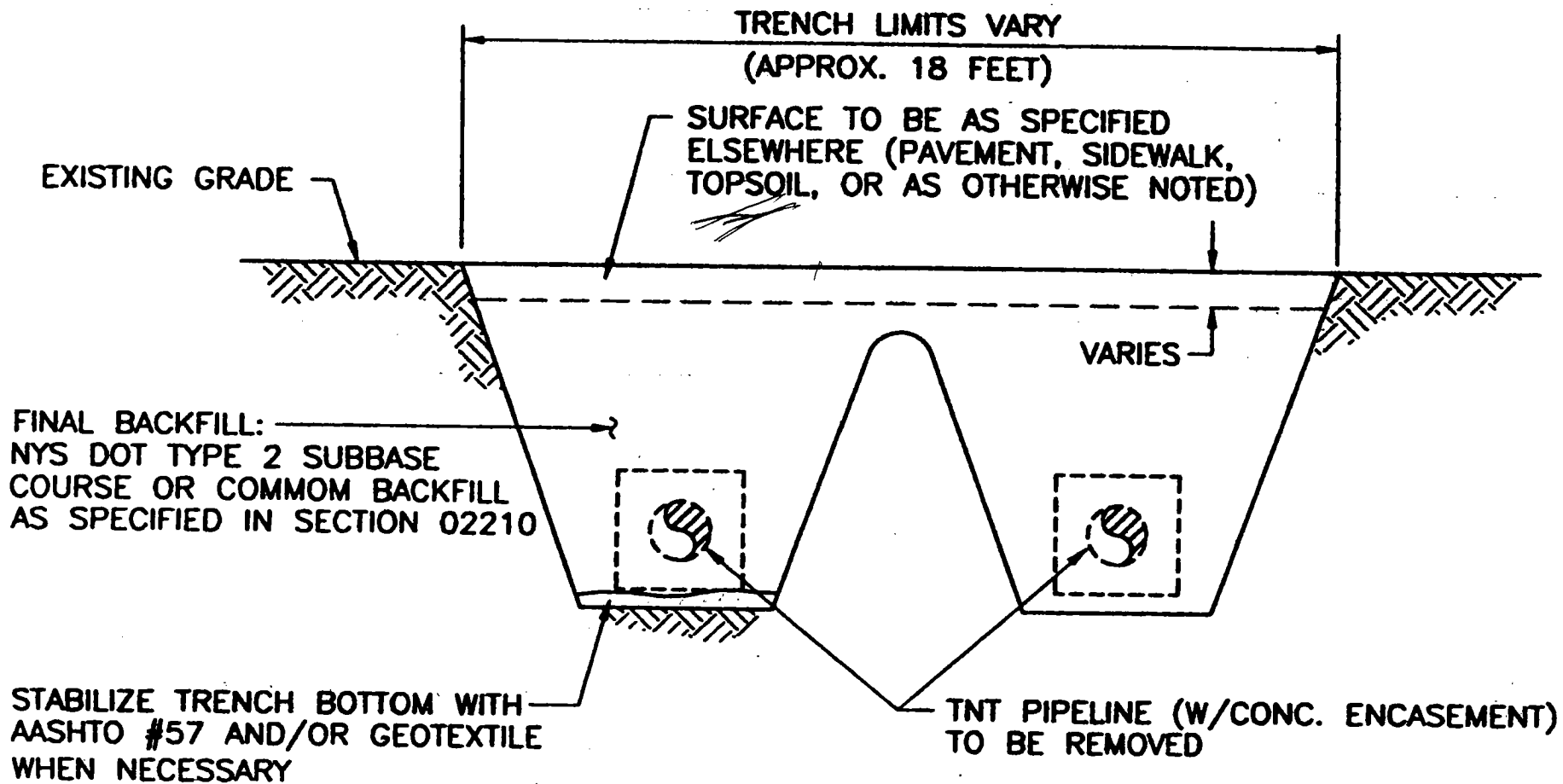
DATE  
 5/7/99



PIPELINE REMOVAL/BACKFILL MATERIAL SPECIFICATIONS SUBMITTAL

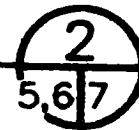
- 1. PIPE REMOVAL/RESTORATION DETAIL
- 2. AASHTO #57 CERTIFICATION (GEOTEXTILE MAYBE USED - SEE PREVIOUS SUBMITTAL)
- 3. TOP SOIL MANUFACTURE'S LITERATURE
- 4. TAKE OFFS/CALCULATIONS TO SUPPORT ABOVE
- 5. TESTING FACILITY QUOTES (SEE SUBMITTAL 2.1 EDITION)

<input type="checkbox"/>	APPROVAL RECOMMENDED	_____	_____
		Date	Initials
<input type="checkbox"/>	APPROVAL RECOMMENDED SUBJECT TO COMMENTS INDICATED	_____	_____
		Date	Initials
<input type="checkbox"/>	DISAPPROVAL RECOMMENDED	_____	_____
		Date	Initials
	APPROVED/DISAPPROVED	_____	_____
		Date	Signature



PIPE REMOVAL/RESTORATION DETAIL

N.T.S.



Date: 3/29/99

Location: Lockport

Source #: 5-5R

Material Type: ASTM C 33 #57

Sieve Size	Weight	% Retained	% Passing	Specification
100mm		0	100	
75mm		0	100	
63mm		0	100	
50mm		0	100	
37.5mm		0	100	100
25mm	0.08	0.6	99.4	95-100
12.5mm	8.51	62	37.4	25-60
4.75mm	4.71	34.3	3.1	0-10
2.36	0.24	1.7	1.4	0-5
.075mm	0.12	0.9	0.5	0-1
pan	0.07	0.5		
Total	13.73			

**J.F. KRANTZ NURSERY**  
**8575 ROLL ROAD**  
**CLARENCE CENTER, N.Y. 14032**

**FAX**

Date: 4-8-99  
Number of pages including cover: 2

TO: Dames & Moore  
Attr: Jason  
Re: Leicester Porter

FROM: John Krantz

Phone: 675-7130  
Fax: 675-7137

Phone: 741-4656  
Fax: 741-8338

REMARKS: Urgent  Reply ASAP  For your review  Please comment

**J.F. KRANTZ NURSERY, INC.  
8575 ROLL ROAD  
CLARENCE CENTER, N.Y. 14032**

**April 8, 1990**

**Dance & Moore  
3065 Southwestern Blvd.  
Orchard Park, N.Y. 14127**

**Attention: Jason**

**We are pleased to quote the following pricing on Topsoil.**

**Lewiston Porter Job:**

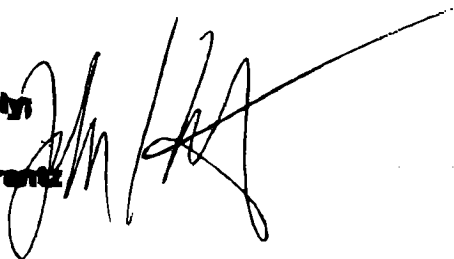
**600 Yards Premium Topsoil (Shredded and Screened).....\$14.00 per yd.**

**600 Yards Custom Topsoil (Shredded).....\$11.90 per yd.**

**Delivery Fee: 20 Yards per Tandem load is 30 loads @.....\$45.00 per load.**

**Sincerely,**

**John Krantz**



**JK/ap**





Job No. U23977-011 Job LAKE ONTARIO MEDIAN AND NJIS

By JMS Date 4/6/99

Client IRADIAN/USA OR Subject PIPELINE REMOVAL/BACKFILL MAT'L

Chk'd. ASN Date 4/7/99

PIPELINE REMOVAL BACKFILL MATERIAL

- PIPE REMOVAL TRENCH 1 = 44,100 FT<sup>3</sup> BACKFILL NEEDED  
(IF TRENCH BOTTOM NEEDS TO BE STABILIZED; 2" OF AASHTO #57 OR GEOTEXTILE)

TOP SOIL NEEDED ON TOP 6" · 18' · 350' = 3150 FT<sup>3</sup>

EITHER  
OR < AASHTO #57 ON BOTTOM 2" · 10' · 350' = 600 FT<sup>3</sup>  
GEOTEXTILE 10' X 350' = 3500 FT<sup>2</sup>

- PIPE REMOVAL TRENCH 2 = 56,000 FT<sup>3</sup> BACKFILL NEEDED  
(IF TRENCH BOTTOM TO BE STABILIZED; 2" OF AASHTO #57 OR GEOTEXTILE)

TOP SOIL ON TOP 6" · 18' · 500' = 4500 FT<sup>3</sup>

EITHER  
OR < AASHTO #57 ON BOTTOM 2" · 10' · 500' = 850 FT<sup>3</sup>  
GEOTEXTILE 10' · 500' = 5000 FT<sup>2</sup>

- PIPE REMOVAL TRENCH 3 = 38,000 FT<sup>3</sup> BACK FILL NEEDED  
(IF TRENCH BOTTOM TO BE STABILIZED; 2" OF AASHTO #57 OR GEOTEXTILE)

TOP SOIL ON TOP 6" · 18' · 500' = 4500 FT<sup>3</sup>

EITHER  
OR < AASHTO #57 ON BOTTOM 2" · 10' · 500' = 850 FT<sup>3</sup>  
GEOTEXTILE 10' · 500' = 5000 FT<sup>2</sup>

- PIPE REMOVAL TRENCH 4 = 16,800 FT<sup>3</sup> BACKFILL NEEDED  
(IF TRENCH BOTTOM TO BE STABILIZED; 2" OF AASHTO #57 OR GEOTEXTILE)

TOP SOIL ON TOP 6" · 18' · 150' = 1350 FT<sup>3</sup>

EITHER  
OR < AASHTO #57 ON BOTTOM 2" · 10' · 150' = 250 FT<sup>3</sup>  
GEOTEXTILE 10' · 150' = 1500 FT<sup>2</sup>

TOTALS = w/ GEOTEXTILE

NYS DOT TYPE 2 SUBBASE = 15,450 FT<sup>3</sup> + 40,950 FT<sup>3</sup> + 51,500 FT<sup>3</sup> + 33,500 FT<sup>3</sup> = 141,400 FT<sup>3</sup>

TOP SOIL = 1350 FT<sup>3</sup> + 4500 FT<sup>3</sup> + 4500 FT<sup>3</sup> + 3150 FT<sup>3</sup> = 13,500 FT<sup>3</sup>

GEOTEXTILE = 15,000 FT<sup>2</sup>

w/ AASHTO #57

AASHTO #57 = 600 FT<sup>3</sup> + 850 FT<sup>3</sup> + 850 FT<sup>3</sup> + 250 FT<sup>3</sup> = 2550 FT<sup>3</sup>

NYS DOT TYPE 2 SUBBASE = 15,200 FT<sup>3</sup> + 32,650 FT<sup>3</sup> +

50,650 FT<sup>3</sup> + 40,350 FT<sup>3</sup> = 138,850 FT<sup>3</sup>

(NOTE: TOP SOIL SAME REGARDLESS)





Job No. 03977-011

Job L00W

Client RADIAN/USACO

Subject CHEM. WASTE SEWER. ABAND.

BACKFILL MATERIAL SPECIFICATIONS - CHEMICAL WASTE SEWER.

ITEMS INCLUDED :

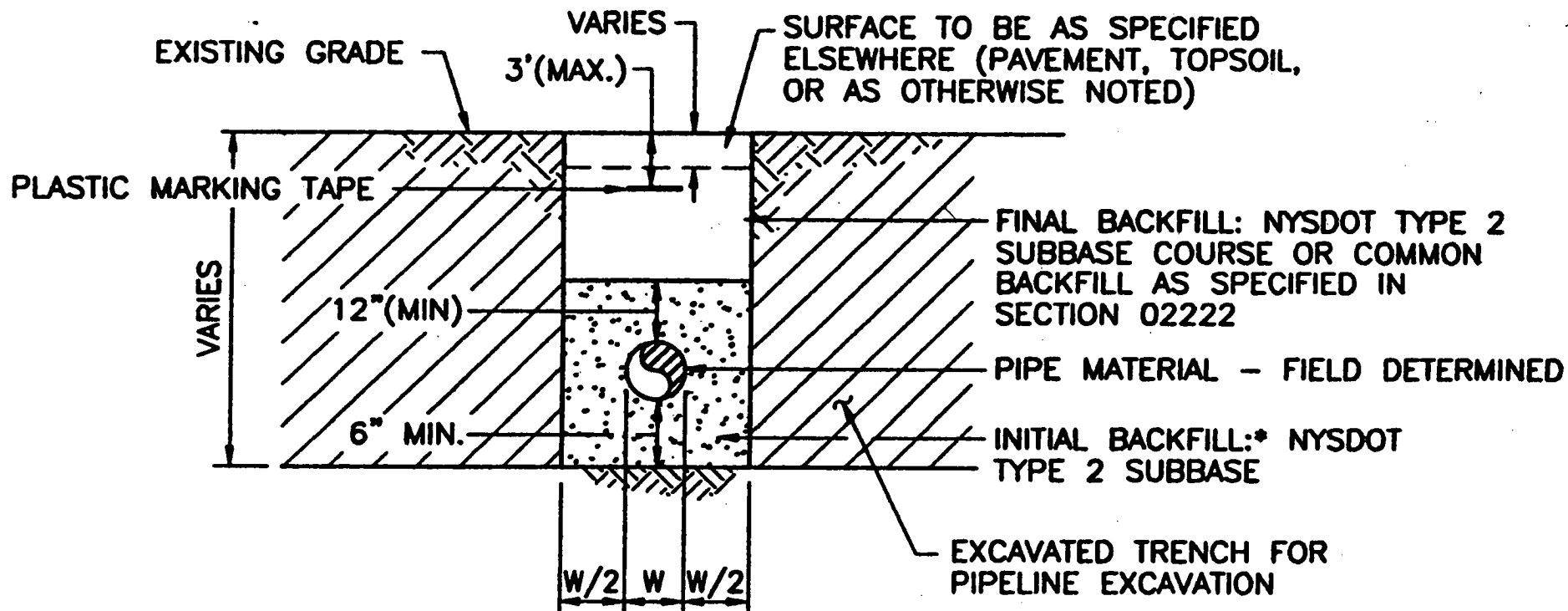
- ① ANALYTICAL RESULTS (FURTHERCOMING DURING SDB)  
(TESTING FACILITY DATA IN SUMP SPEC)
- ② GEOTECH. RESULTS - (ALSO FURTHERCOMING)
- ③ DESIGN DETAIL.
- ④ MATERIAL TAKEOFFS

TAKEOFFS

FROM 60% DRAWINGS (ASSUME A 10'x10'x10' PIT)

<u>PITS</u>	<u>APPROX. MAT'L (TYPE 2 SUBBASE)</u>
1	37 CY
2	37 CY
3	37 CY
4	37 CY
5	37 CY
6	37 CY
7	37 CY
8	37 CY
9	37 CY
10	37 CY

TOTAL - 370 CY OF TYPE 2 SUBBASE



## UTILITY BACKFILL DETAIL

N.T.S.



### NOTE:

IF UTILITY PIPE CROSSINGS ARE ENCOUNTERED DURING PIPELINE REMOVAL, BACKFILL AND RESTORE AREA AROUND UTILITY PIPE IN ACCORDANCE WITH THIS DETAIL.