



**APPLICATION AND AGREEMENT FOR USE OF  
HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION**

Form 810025 (03-16)

FOR DEPARTMENT USE ONLY

Permit Number <b>294-2017-020</b>	Highway Number US 61	County Des Moines
DOT Project Number NHSX-061-2(62)--3H-56		Expiration/Completion Date <b>DEC 31st 2017</b>

**APPLICANT (INDIVIDUAL OR COMPANY)**

First Name Matt	Middle Initial J	Last Name Steddum	Phone Number 641-754-5880	Ext.
Company Name Alliant Energy			Phone Number 641-754-5880	Ext.
Street Address 1911 East Anson St.		City/Town Marshalltown	State	ZIP Code IA 50158
e-Mail Address mattsteddom@alliantenergy.com		Secondary e-Mail Address same		

**INSTALLATION TO BE ACCOMMODATED**

Approval is hereby requested to enter within the state highway right-of-way for the accommodation of a utility installation as detailed on the attachments and further described as follows.

The installation shall consist of:

Installing 2inch plastic & 1inch plastic distribution. The 1inch & 2inch plastic distribution will be installed from sta 11205+60 to 11221+30 on side road Flint Bottom Road / Upper Flint Road. The plastic distribution operates at 55#. All crossings of existing roads will be directionally drilled with no openings left open over night along the existing US 61 r.o.w. Installation and operation will be done according to industry standards.

and shall be located as shown on the detailed plan attached hereto. (See current Iowa Department of Transportation Utility Accommodation Policy for submittal of detailed plan requirements. See Section 115.8 (3). <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>)

**WORK SITE LOCATION**

The proposed work as described above is located in Section 23, & 24, Twp. Flint River (70N), Range 3W on Highway No. US 61 generally located 1 (miles) North (direction) from the North Edge of Burlington (city, county line, or other landmark). Work proposed is more specifically located as being from 44.30 (Milepost #) and SR sta 11205+60 (Highway Station) to SR sta 11221+30 (Highway Station) on the East & West side of highway.

**Disclosure Statement:** The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all pertinent information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit applicant) agrees with the Iowa Department of Transportation (hereafter referred to as the Department) that the following stipulations and those special requirements as listed on this document shall govern under this permit after it is approved by the Department.

**A. General**

1. The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations and regulations of the Department and directives of the Iowa State Commerce Commission; the Iowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.
3. As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction, the utility owner shall submit to the district representative an as-built plan.
4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.
5. Non-compliance with any of the terms of the Department's policy, permit, or agreement, may be considered cause for shut-down of construction operations, revocation of the permit, or withholding of relocation reimbursement and/or withholding of future application approvals until compliance is confirmed. The cost of any work deemed necessary to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.

## **B. Construction and Maintenance**

1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy. <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
3. A copy of the approved permit shall be available on the job site at all times for examination by Department personnel.
4. Operations in the construction and maintenance of this utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
5. Traffic protection shall minimally be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The applicant shall be responsible for correctly using traffic control devices including signs, warning lights, and channelizing devices as needed while work is in progress or the clear zone is impacted. Flagging operations are the responsibility of the applicant. The Department's TC XXX Series Standards are the preferred traffic control specification plans.  
[http://www.iowadot.gov/design/stdplne\\_tc.htm](http://www.iowadot.gov/design/stdplne_tc.htm)
6. The applicant shall seed and mulch all disturbed areas within the highway right-of-way and shall be responsible for the vegetative cover until it becomes well established. Any surfaced areas such as driveways or shoulders and sodded waterways and plantings which are disturbed shall be restored to their original condition. Any damage to any other underground facilities during installation shall be repaired at the permit holder's expense.
7. All personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed to traffic or construction equipment.
8. As per Policy Section 115.4(9) parking or storage in the clear zone is prohibited. When not in actual use, vehicles, equipment and materials shall not be parked or stored within the clear zone or median.
9. Unless specifically noted in Special Requirements section, all work performed within the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
10. Pedestals shall be placed within 12 inches of the right-of-way line.
11. All above and below ground appurtenances (pedestals, hydrants, drains, accesses, etc.) shall be marked with high visibility posts and signs. The minimum height requirement for the signs shall be 5 foot. Urban Roadway Sections may be exempted with department approval.

## **C. Liability**

1. To the extent allowable by law, the Permit Holder agrees to indemnify, defend, and hold the Department harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of the Permit Holder's facilities. This agreement to indemnify, defend, and hold harmless applies to all aspects of the Department's application review and approval process, plan and construction reviews, and funding participation.
2. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
3. The State of Iowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if the facilities are not located in accordance with this permit.
4. The State of Iowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense. Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

## **D. Notification**

1. The Permit Holder is responsible for contacting **Iowa One-Call (1-800-292-8989)** and request the location of all underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
2. The Permit Holder agrees to give the Department forty-eight (48) hour notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the local DOT contact person whose name is shown on Page 3.
3. **511 Notification**-In accordance with Iowa Code section 321.348, cities and utilities **may not obstruct or close** primary highways or primary highway extensions (State highways within city limits) **without prior consent of the Iowa DOT**, except in emergency situations. Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway, call your local Iowa DOT Maintenance garage and call the Traffic Management Center per attached documents. Except in emergency situations, a 10 day advance notice is required.

<http://www.iowadot.gov/traffic/utility/pdfs/511UtilityNotification.pdf>

## **E. Buy America**

Buy America applies to relocations of utility facilities that must move due to highway projects under certain specific conditions that include reimbursable locations and relocations due to interstate projects. Please contact the Department's District Engineering Operation Technician (EOT) for more information on Buy America requirements or visit the following link: <http://www.iowadot.gov/traffic/utility/utility.html>

Permit Number: \_\_\_\_\_

**FOR DEPARTMENT USE ONLY**

Special Requirements - in addition to the stipulations above, the following special requirements shall apply to this permit:

**Applicant Signature and Agreement**

The undersigned have read the stipulations of this permit agreement as stated, as well as attachments which may be included, and by signing this application agree to abide by all stipulations and to complete the work as proposed in compliance with the stipulations and attachments within one year from the date Department approval is granted for said request. Failure on the part of the applicant to abide by the stipulations or to construct the work desired as stipulated and within the time frame stated shall render this agreement and request null and void. The undersigned also agrees to save harmless the State of Iowa and the Iowa Department of Transportation from any damage or losses that may be sustained by any person or persons on account of the conditions and requirements of this agreement.

Name of Agent (Print or Type) Matt Steddum	Agent/Owner (Signature) 	Title Sr Field Eng. Specialist
Name of Owner (Print or Type) Alliant Energy		Date
e-Mail Address mattsteddom@alliantenergy.com		

**CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)**

"The undersigned city joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".

Recommend Approval     Do Not Recommend Approval     None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the City of	
e-Mail Address		

**COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)**

"The undersigned county joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official".

Recommend Approval     Do Not Recommend Approval     None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the County of	
e-Mail Address		

**FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)**

Recommend Approval     Do Not Recommend Approval     None Required

Authorized FHWA Representative Signature	Date
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**DEPARTMENT OF TRANSPORTATION FINAL ACTION**

Application Approved     Application Denied

Authorized Highway District Representative	Signature 	Permit Number: 291-2017-020
	Date	Date 9/26/17

e-Mail Address  
nora.lind@iowadot.us

Notice of intention to commence activities on the highway rights-of-way shall be submitted by the applicant a minimum of 48 hours prior to actually commencing the activities as herein granted by this approved application. Notice is to be given to the following Iowa Department of Transportation representative. Except in emergencies a 10 day advance notice is required for lane restrictions of any kind:

Local DOT Contact Person (Type or Print Name) M Pleasant RCE	Phone Number 319-385-2211		
Street Address 205 E Taft	City/Town Mt Pleasant	State IA	ZIP Code
e-Mail Address lauren.giarmo@iowadot.us / marv.may@iowadot.us			

Permit Number: \_\_\_\_\_

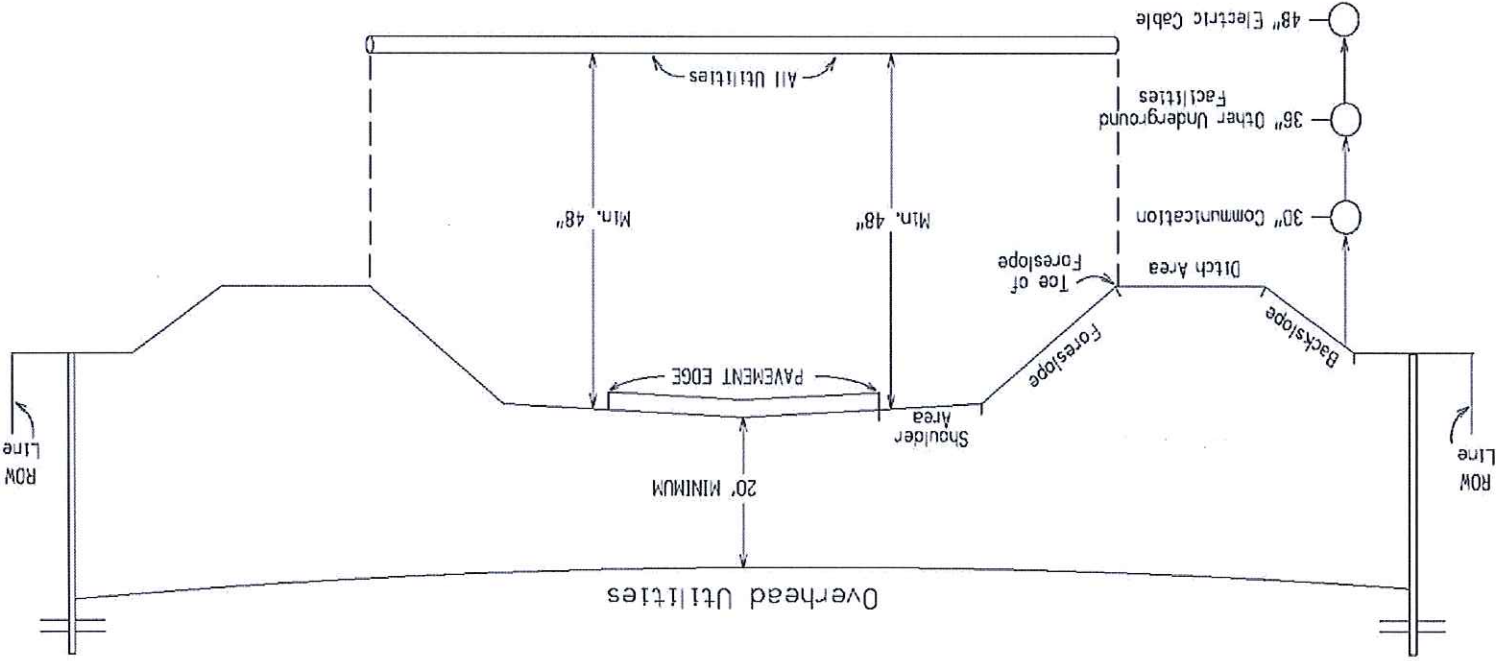
Hwy IA 61 at Burlington, Ia

Flint Bottom Rd / Upper Flint Rd

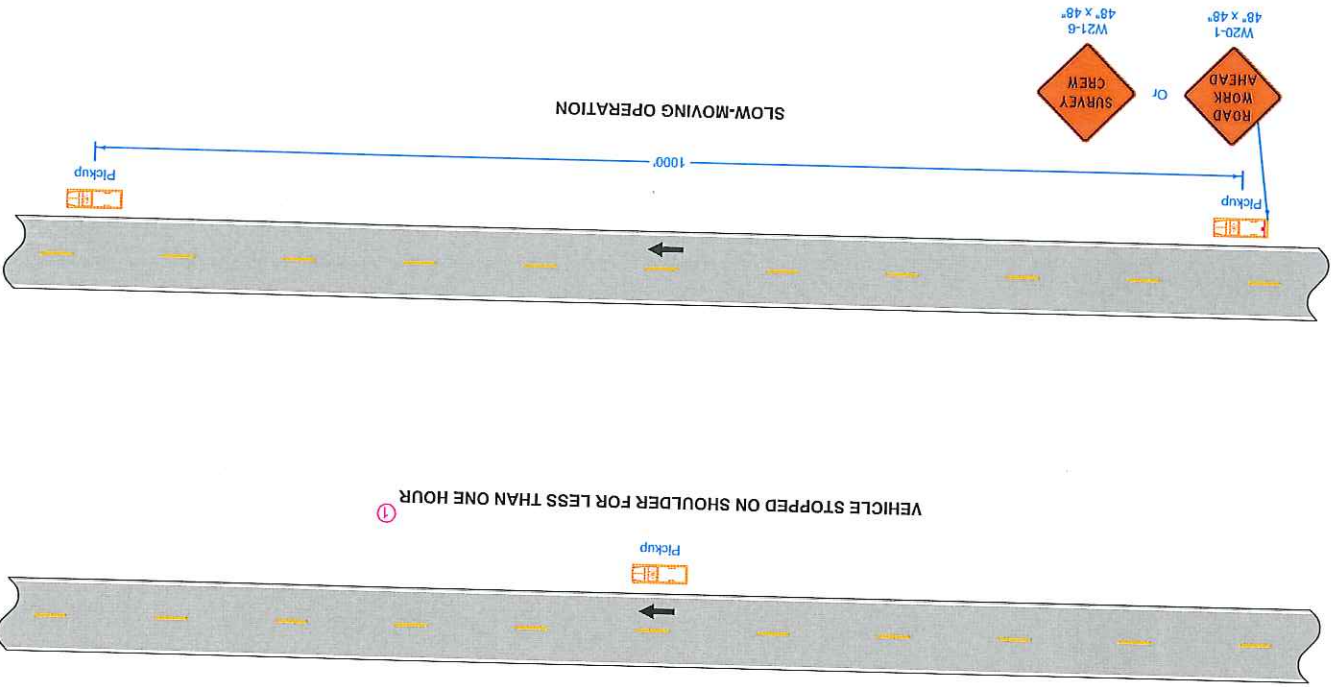
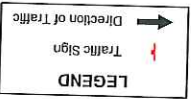
SIDE ROAD

SIDE ROAD ITEM	STATION NUMBER	DISTANCE FROM CENTER LINE			COMMENTS:
		Hwy 61 SR	Depth	R.O.W.	
Gas Main					
2inch plastic	11205+60	34ft Rt	4ft	40ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11206+00	64ft Rt	4ft	70ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11207+00	64ft Rt	4ft	70ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11209+54	64ft Rt	4ft	70ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11211+25	64ft Rt	4ft	70ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11213+10	94ft Rt	4ft	100ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11213+40	98ft Rt	4ft	104ft Rt	
2inch plastic	thru		4ft		Main is planned to be open cut.
2inch plastic	11214+35	109ft Rt	4ft	115ft Rt	
2inch plastic	thru	1213+47	4-15ft		Main line crossing is at CL sta. 1213+44.26 of Hwy 61. Skew is 42.5LT ahead. Pipe will be 15ft deep. This section will be drilled.
2inch plastic	11221+30	315ft Rt	4ft	existing	4ft x 4ft opening is needed to tie-in to existing plastic distribution main.
<u>Services</u>					
<u>Services</u>					
1inch plastic	11207+00	64ft Rt	4ft	70ft Rt	4ft x 4ft opening is needed to tap the new main for the house to the North. 12082 Flint Bottom Rd.
1inch plastic	thru		4ft		This section to be drilled
1inch plastic	11207+00	60ft Lt	4ft	60ft Lt	1inch service leaves r.o.w. and goes to house. 12082 Flint Bottom Rd.
1inch plastic	11209+00	64ft Rt	4ft	70ft Rt	4ft x 4ft opening is needed to tap the new main for the house to the North. 12034 Upper Flint Rd.
1inch plastic	thru		4ft		This section will be drilled.
1inch plastic	11209+00	80ft Lt	4ft	80ft Lt	1inch service leaves r.o.w. and goes to house. 12034 Flint Bottom Rd.
1inch plastic	11210+50	64ft Rt	4ft	70ft Rt	4ft x 4ft opening is needed to tap the new main for the house to the North. 11994 Upper Flint Rd.
1inch plastic	thru		4ft		This section will be drilled.
1inch plastic	11210+50	100ft Lt	4ft	100ft Lt	1inch service leaves r.o.w. and goes to house. 11994 Flint Bottom Rd.

# Minimum Policy Requirements Rural Section Non-Freeway Highway



Notes:  
 Utilities shall be located between the toe of foreslope and the highway row line. Utilities should be located as near to the highway row line as practical.  
 See Utility Policy, Section 115.13 for further details.



① VEHICLE STOPPED ON SHOULDER FOR LESS THAN ONE HOUR

Do not allow work to interfere with the flow of traffic.  
 When parked, locate vehicles as far from the open traffic lane as possible. Entrances and driveways should be used whenever appropriate.  
 Equip all vehicles with an amber Vehicle Warning Light.

① For work lasting longer than one hour, refer to TC-202 or TC-402.

Possible Contract Item:  
 Traffic Control

**Iowa Department of Transportation**

**STANDARD ROAD PLAN**

TC-1

SHEET 1 of 1

REVISIONS: Changed size of W21-6 sign. Updated language of general notes. Made into a color standard.

APPROVED BY DESIGN METHOD'S ENGINEER  
*Deanna McMillin*

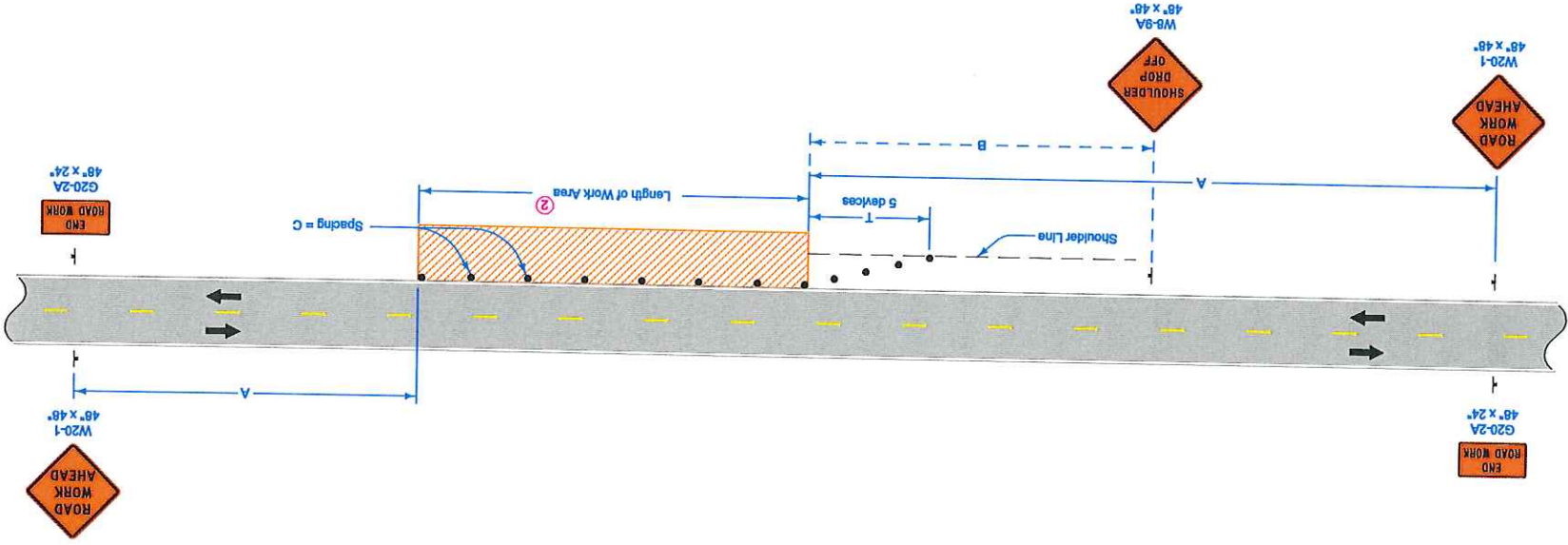
WORK NOT AFFECTING TRAFFIC (TWO-LANE OR MULTI-LANE)

REVISION	1	10-18-11
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SPEED LIMIT (mph)	A	B	C	T
50 or greater	1000'	500'	100'	200'
40 - 45	700'	350'	80'	200'
35 or less	500'	250'	40'	100'

- When a pavement edge drop-off exists, install a SHOULDER DROP-OFF sign.
- Pavement edge drop-offs greater than a nominal 10 inches will not be allowed during non-working hours.
- Shoulder edge drop-offs shall be mitigated according to Article 1107.08.K2 of the Standard Specifications.
- ① When the length of a pavement edge drop-off is 1000 feet or less, the temporary filed requirement of Article 1107.08 of the Standard Specifications does not apply.
- ② For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.
- Space devices at 40 feet.



Possible Contract Item:  
Traffic Control

**Iowa Department of Transportation**

**STANDARD ROAD PLAN**

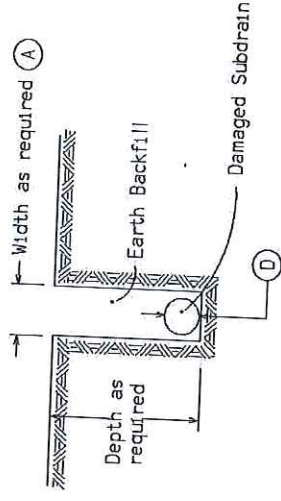
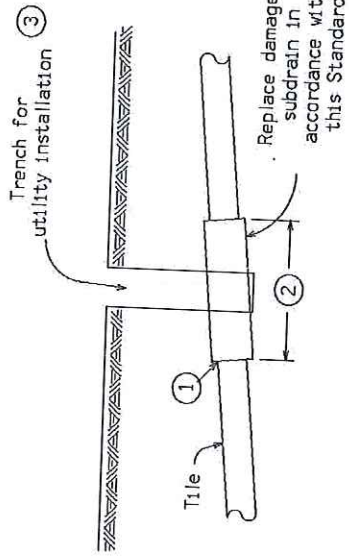
REVISIONS: Removed or Vertical Panel from 42" Channelizer in Legend.

APPROVED BY DESIGN METHOD ENGINEER  
*Deanna McMillan*

**SHOULDER CLOSURE (ONE LANE)**

REVISION	4	04-17-12
SHEET 1 of 1		
<b>TC-202</b>		

# Tile Line Repair Guideline



Note:  
Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

A) = A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

Existing Tile (1)	4	6	8	10	12	15	18	21	24	>24
Proposed Subdrain Size										
Concrete Pipe	-	12	15	15	18	21	24	30	D+6"	
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

\* Replacement sizes provide equivalent capacity based on 6" settlement assuming a 0.20% slope with  $n = 0.013$  for concrete pipe and  $n = 0.025$  for corrugated pipe (Manning Formula)

## NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area \*) limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule-case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

1) Concrete collar to be placed around joint where existing tile line and corrugated aluminized metal pipe connect.

2) Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

3) Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.

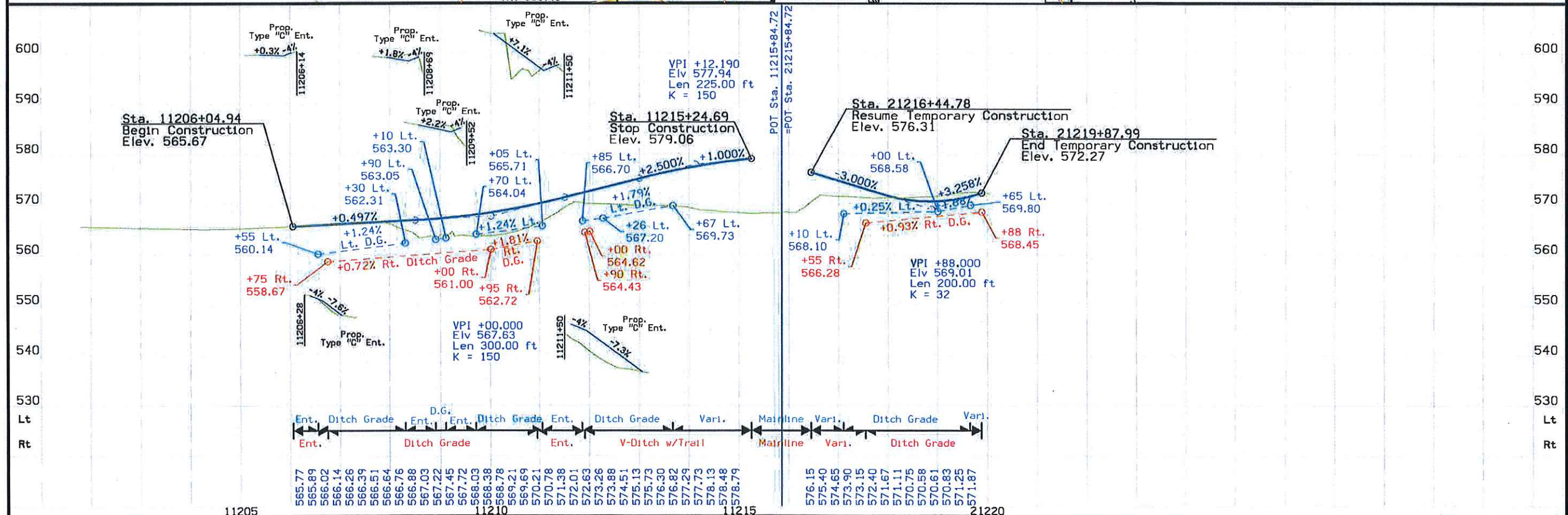
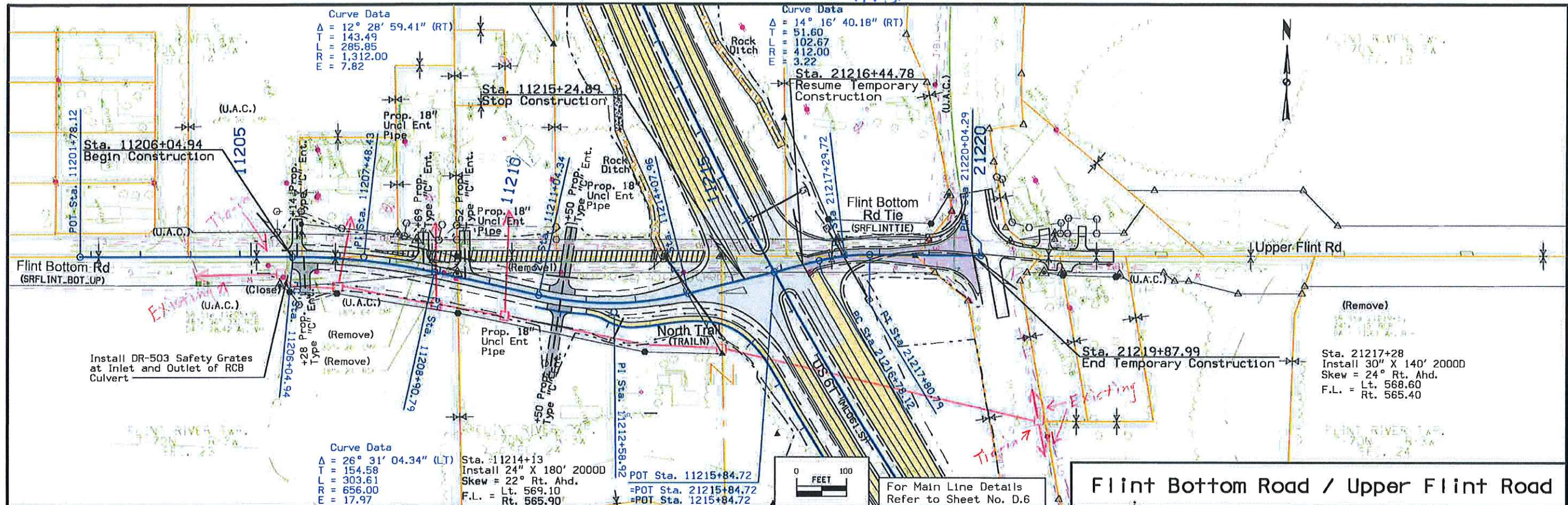
A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.

B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.

\* "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four-lane roadway.



2" Plastic 55#

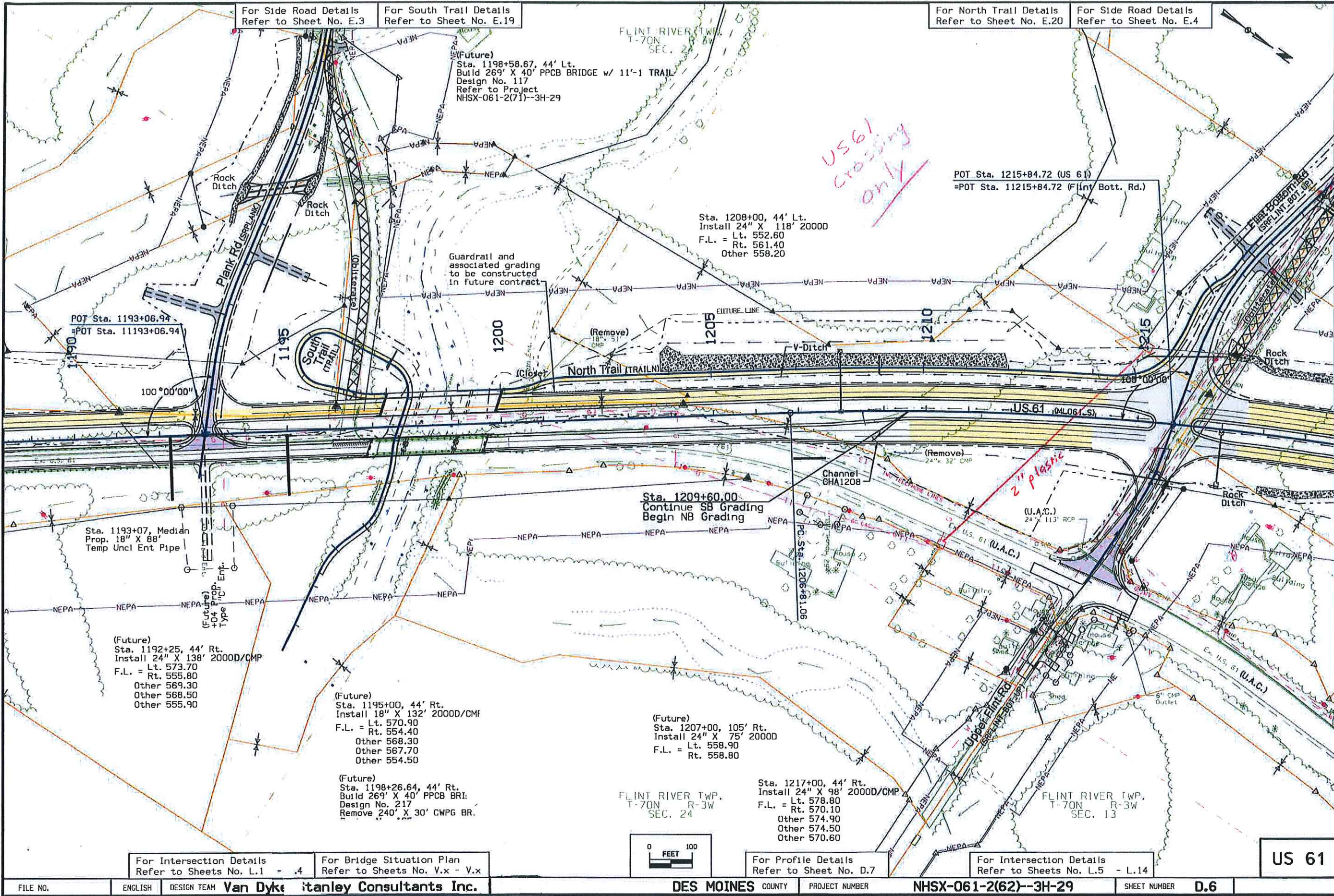


FILE NO.	ENGLISH	DESIGN TEAM	Van Dyke\Stanley Consultants Inc.	DES MOINES COUNTY	PROJECT NUMBER	NHSX-061-2(62)--3H-29	SHEET NUMBER	E.4
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2" Plastic

North

Dist.



For Side Road Details  
Refer to Sheet No. E.3

For South Trail Details  
Refer to Sheet No. E.19

For North Trail Details  
Refer to Sheet No. E.20

For Side Road Details  
Refer to Sheet No. E.4

(Future)  
Sta. 1198+58.67, 44' Lt.  
Build 269' X 40' PPCB BRIDGE w/ 11'-1 TRAIL  
Design No. 117  
Refer to Project  
NHSX-061-2(71)--3H-29

Sta. 1208+00, 44' Lt.  
Install 24" X 118' 2000D  
F.L. = Lt. 552.60  
Rt. 561.40  
Other 558.20

POT Sta. 1215+84.72 (US 61)  
=POT Sta. 11215+84.72 (Flint Bott. Rd.)

Sta. 1209+60.00  
Continue SB Grading  
Begin NB Grading

Sta. 1193+07, Median  
Prop. 18" X 88'  
Temp Uncl Ent. P1pe

(Future)  
Sta. 1192+25, 44' Rt.  
Install 24" X 138' 2000D/CMP  
F.L. = Rt. 573.70  
Other 569.30  
Other 568.50  
Other 555.90

(Future)  
Sta. 1195+00, 44' Rt.  
Install 18" X 132' 2000D/CMP  
F.L. = Lt. 570.90  
Rt. 554.40  
Other 568.30  
Other 567.70  
Other 554.50

(Future)  
Sta. 1207+00, 105' Rt.  
Install 24" X 75' 2000D  
F.L. = Lt. 558.90  
Rt. 558.80

(Future)  
Sta. 1198+26.64, 44' Rt.  
Build 269' X 40' PPCB BR.  
Design No. 217  
Remove 240' X 30' CWPB BR.

Sta. 1217+00, 44' Rt.  
Install 24" X 98' 2000D/CMP  
F.L. = Lt. 578.80  
Rt. 570.10  
Other 574.90  
Other 574.50  
Other 570.60

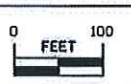
For Intersection Details  
Refer to Sheets No. L.1 - L.4

For Bridge Situation Plan  
Refer to Sheets No. V.x - V.x

For Profile Details  
Refer to Sheet No. D.7

For Intersection Details  
Refer to Sheets No. L.5 - L.14

US 61



2<sup>nd</sup> North Dist

180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420

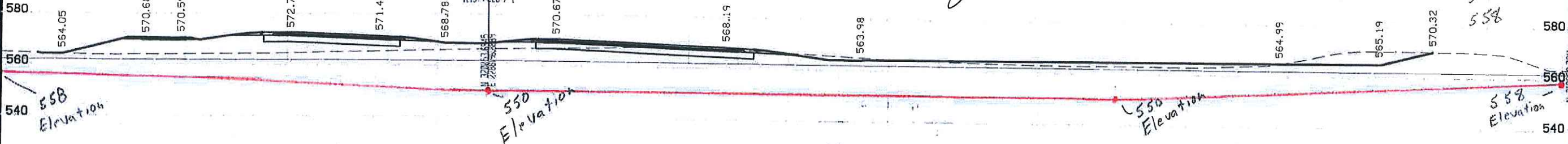
US 61

1211+50  
150' R+  
1212+00  
130' R+

1213+47

Station 1213+44.26  
Skew 42.5° LT Ahead

2" plastic



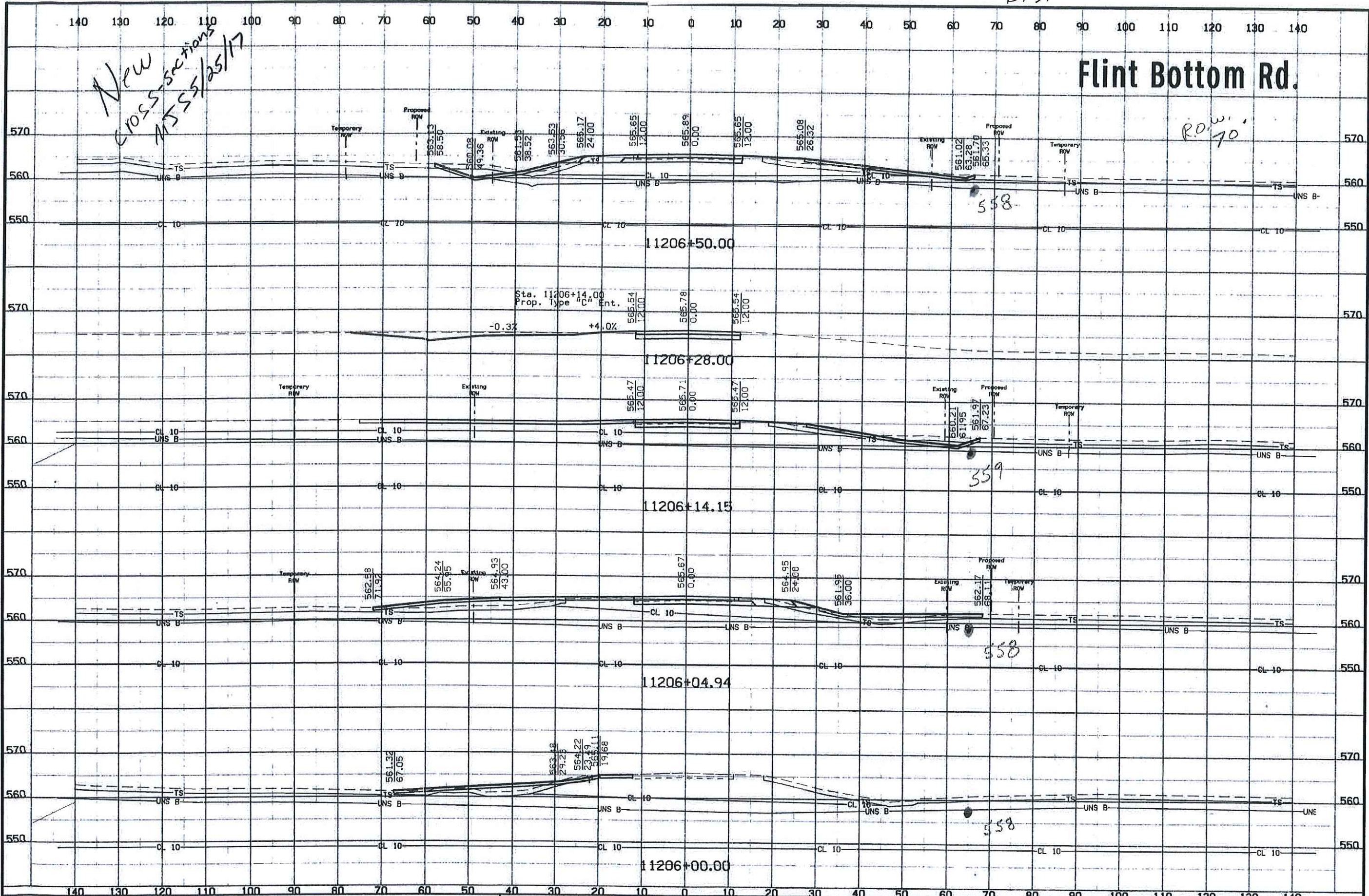
180	160	140	120	100	80	60	40	20	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420
FILE NO.	ENGLISH	DESIGN TEAM	Van Dyke\Stanley Consultants Inc.													DES MOINES COUNTY	PROJECT NUMBER	NHSX-061-2(62)-3H-29				SHEET NUMBER	W.---							

North Dist

# Flint Bottom Rd.

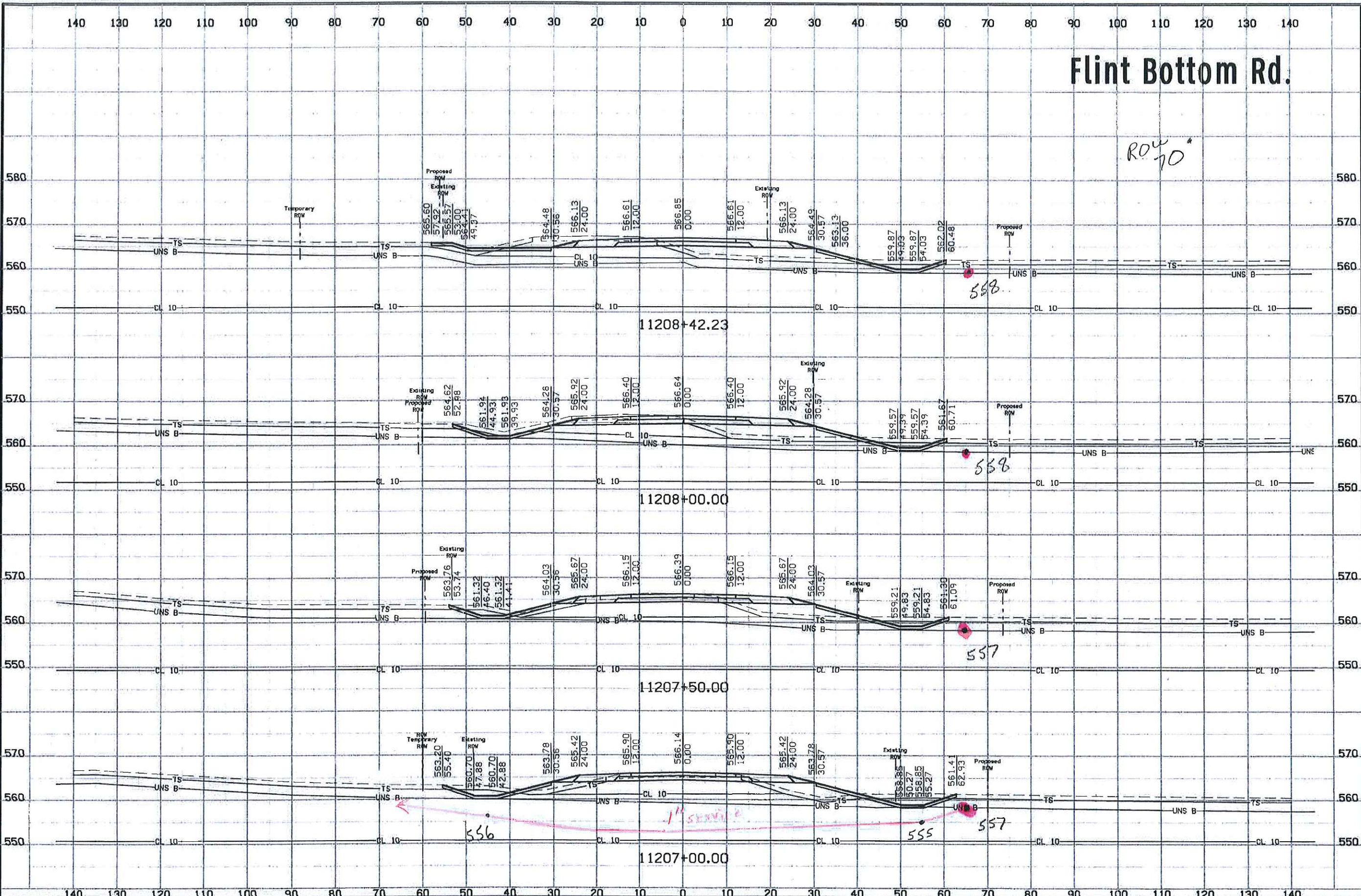
New cross sections  
MS 5/25/17

ROW 70'

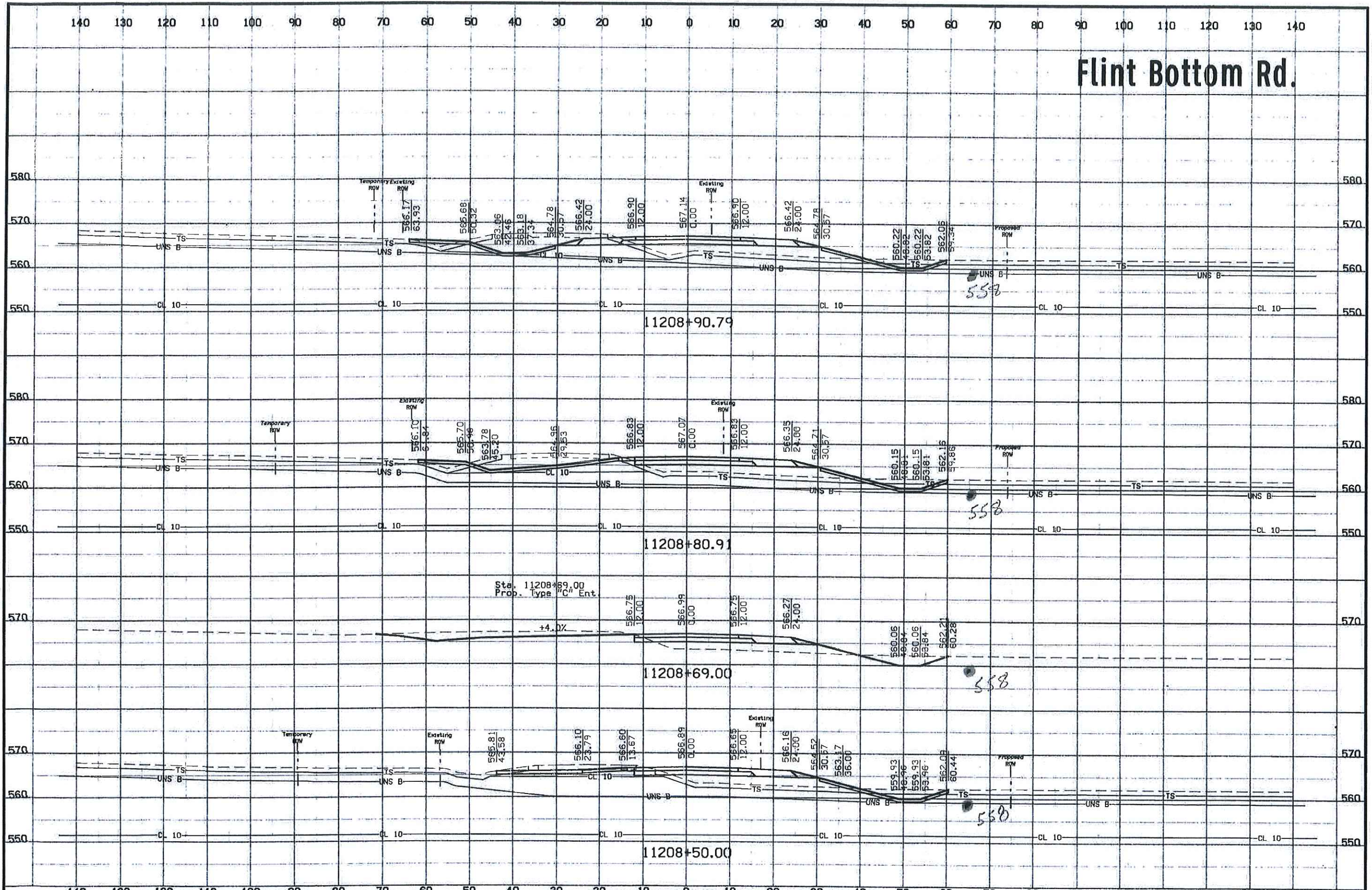


# Flint Bottom Rd.

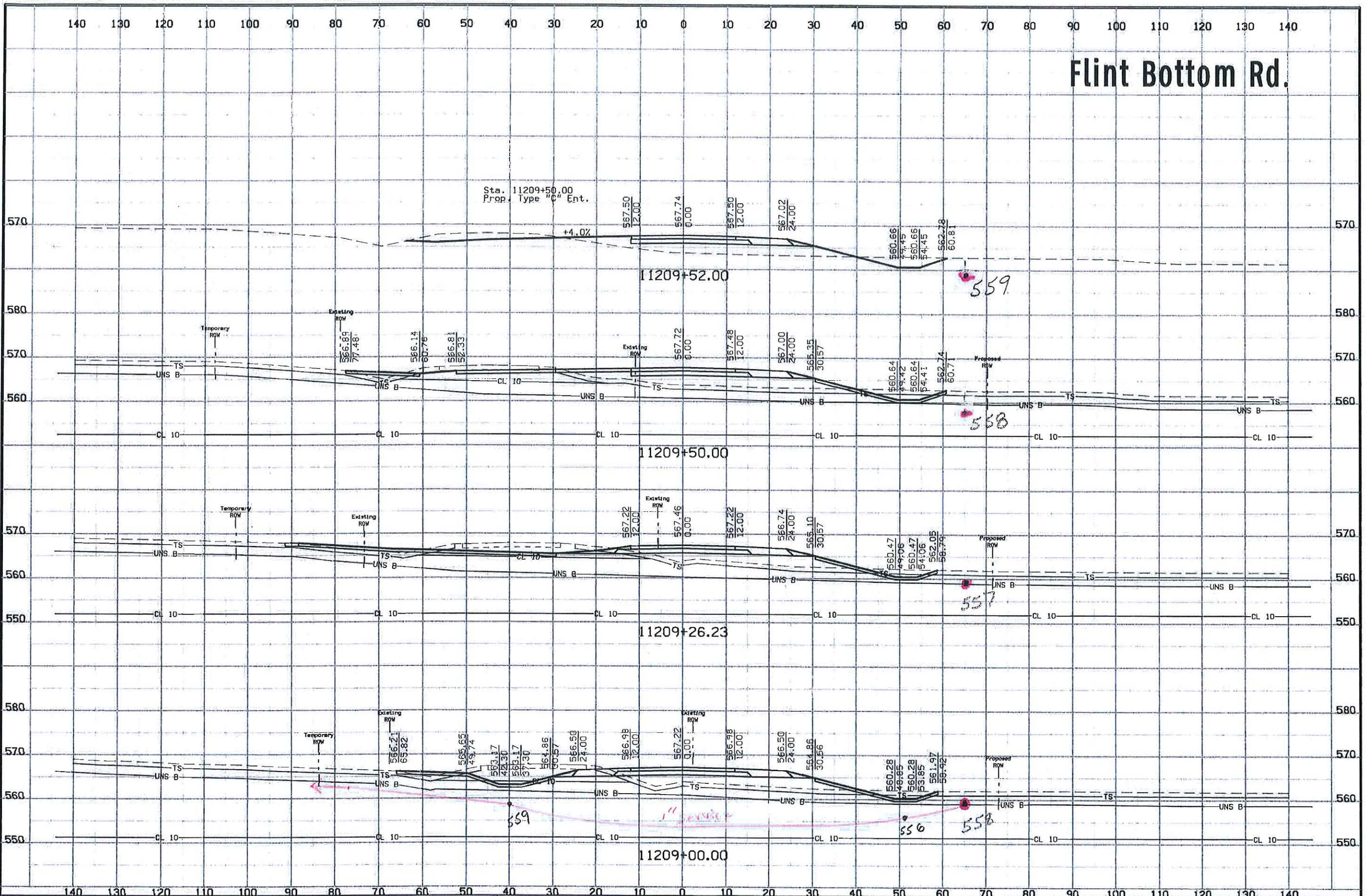
ROW 70'



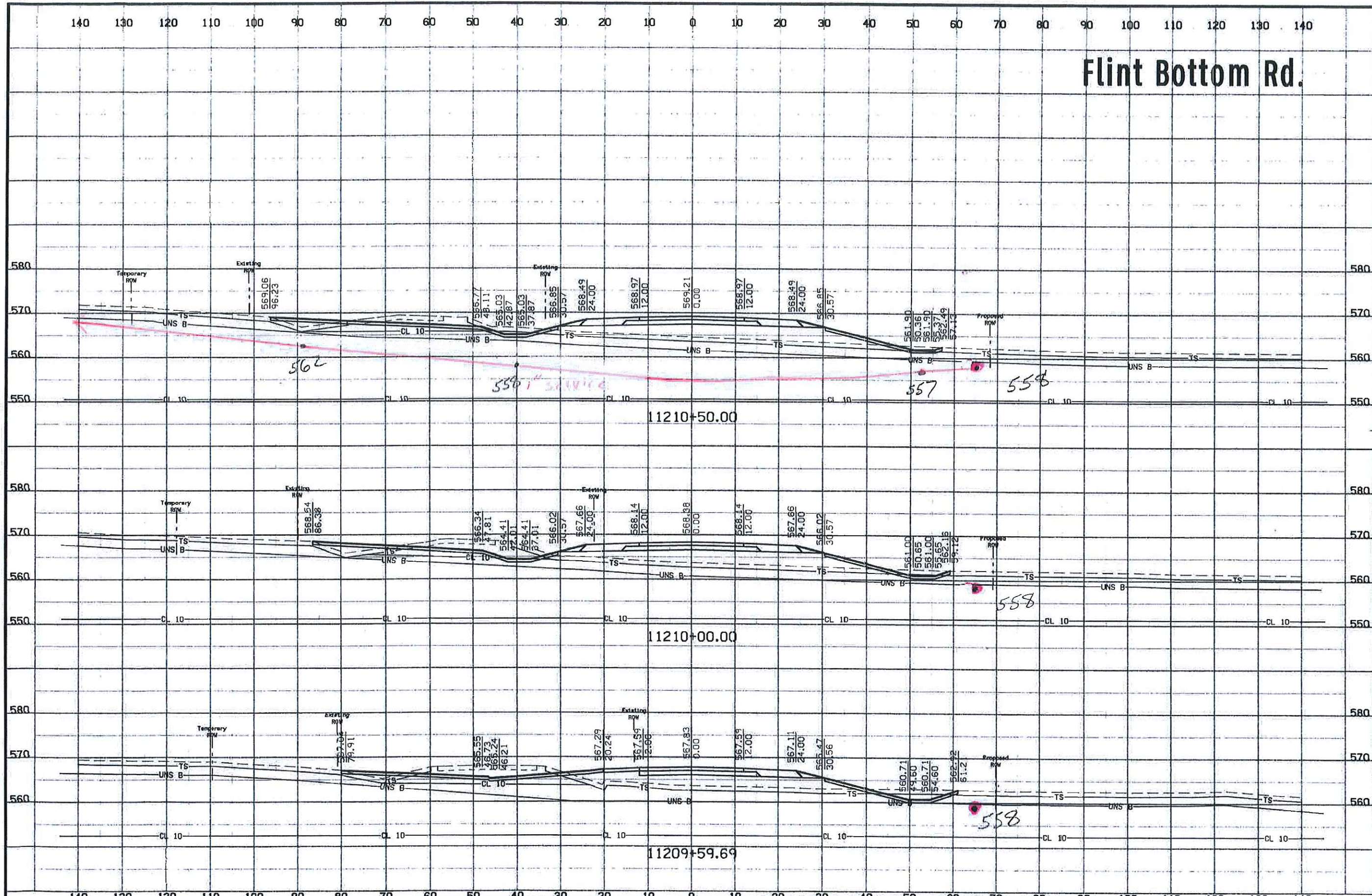
# Flint Bottom Rd.



# Flint Bottom Rd.

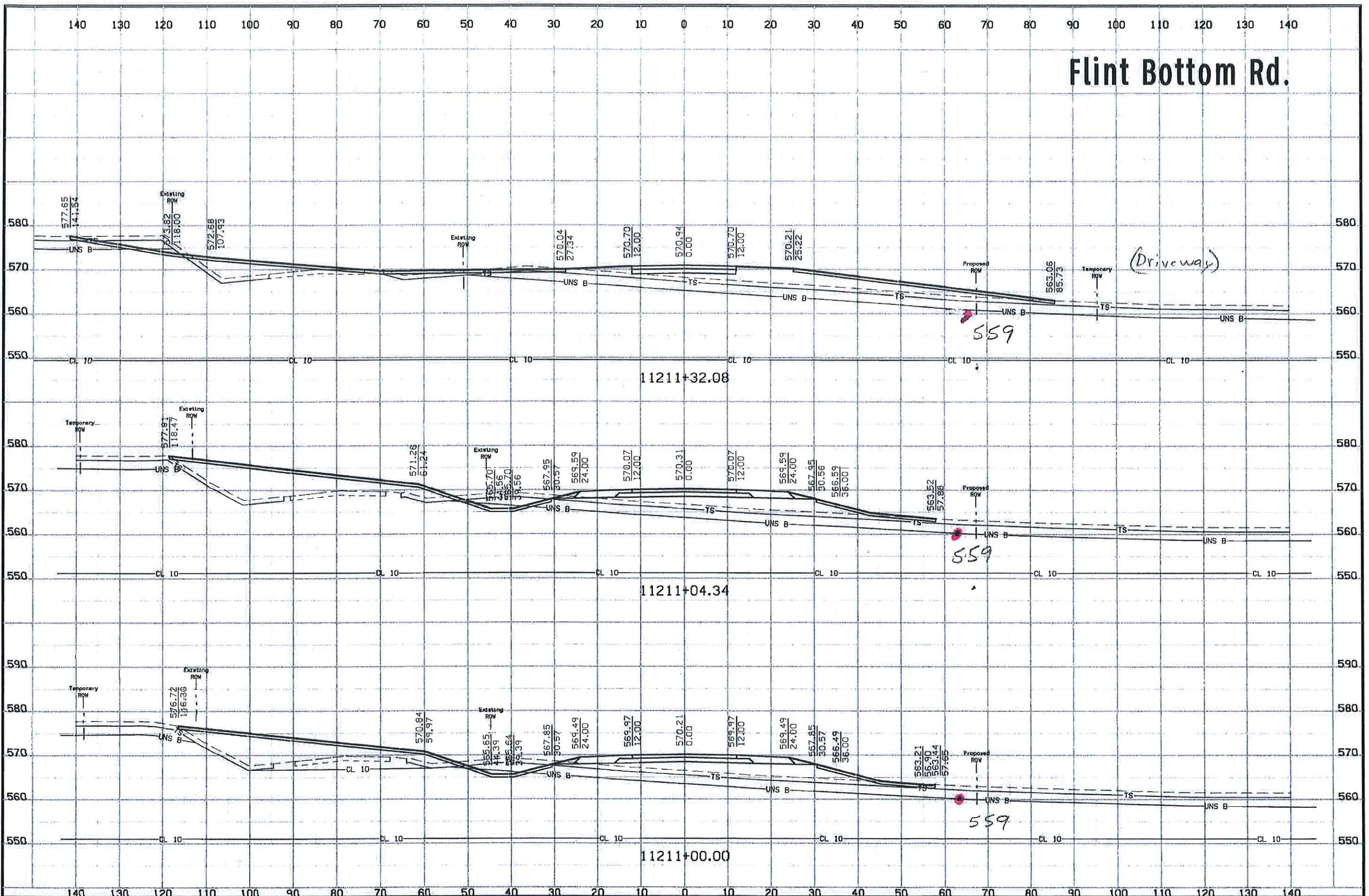


# Flint Bottom Rd.



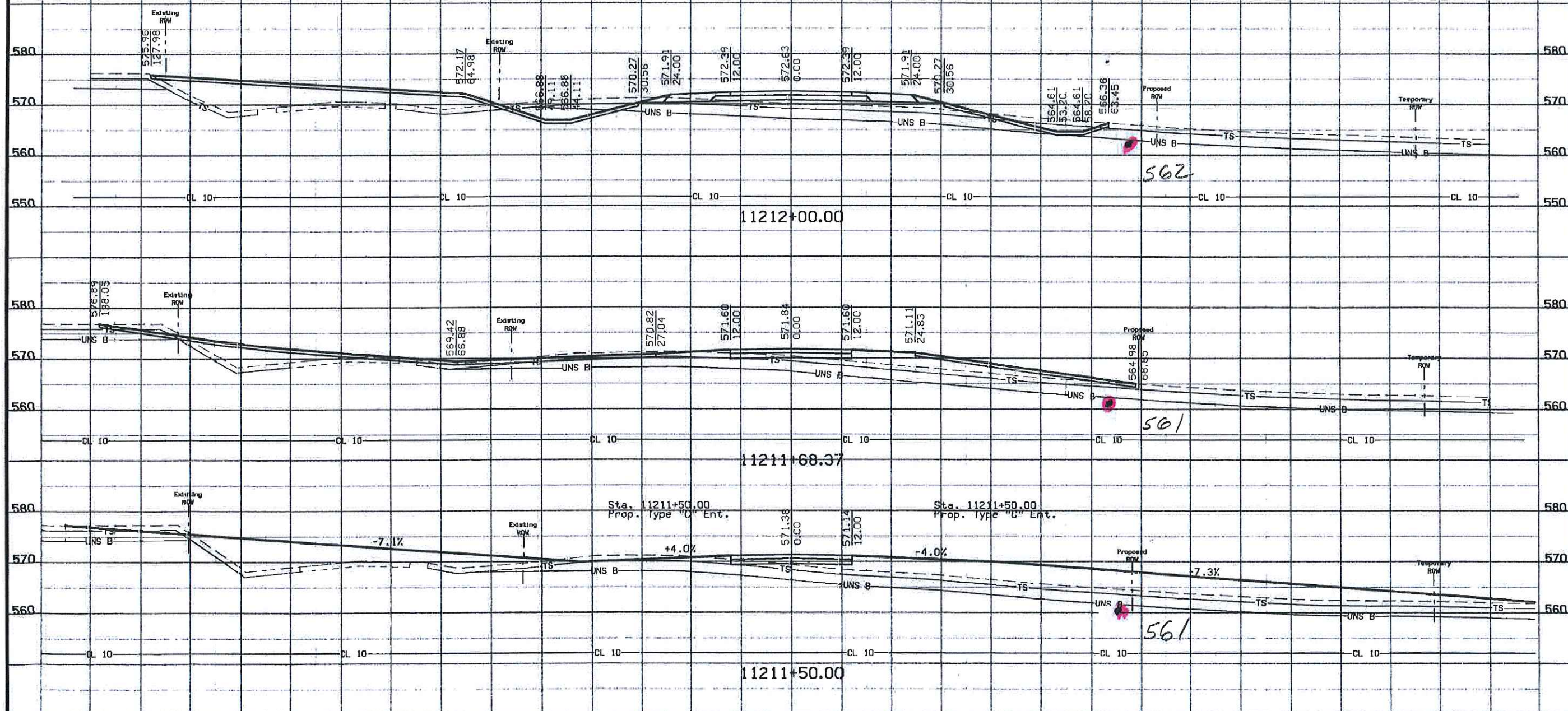


# Flint Bottom Rd.

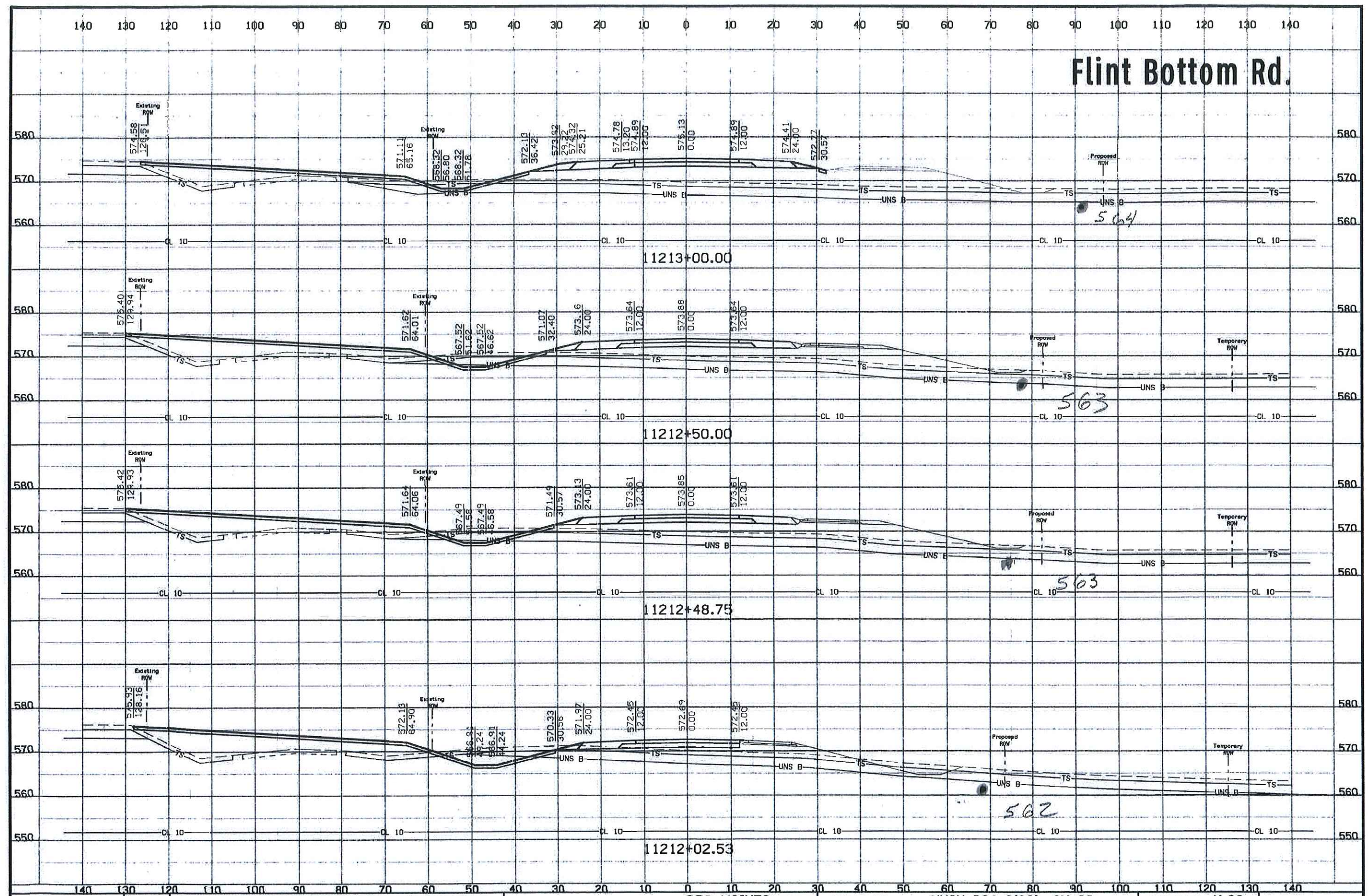


140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

# Flint Bottom Rd.



# Flint Bottom Rd.



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# Flint Bottom Rd.

