LETTING DATE 07-30-2019

GRADING

IM-NHS-380-6(373)1--03-52

JOHNSON Co.

INDEX OF SHEETS

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

JOHNSON COUNTY

GRADING

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

IOWA ONE CALL 1-800-292-8989 811 www.iowaonecall.com Know what's below. Call before you dig.

REVISIONS

	TOTAL
	--
PROJECT IDENTIFICATION NUMBER	
02-52-080-010-01	
PROJECT NUMBER	
IM-NHS-380-6(373)1--03-52	
R.O.W. PROJECT NUMBER	
IMN-380-6(331)2--0E-52	

DESIGN DATA [illegible]BAN

20-- AADT	--	V.P.D.
20-- AADT	--	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	--	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	X	Primary Signature Block
X	X	X

ROADWAY DESIGN

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

XX-XX-XXXX
Signature Date

Printed or Typed Name

My license renewal date is December 31, 20XX

Pages or sheets covered by this seal: X
X

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER A.1

9:24:17 AM 1/25/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5208001002\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_A01.dgn

T–80N

R–7W

R–6W

LOCATION MAP

LOCATION MAP SCALE
0 0.1 0.2 0.3
Miles

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER A.2

9:24:19 AM 1/25/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5208001002\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_A01.dgn

FHWA # 600430
MAINT. 5202.00380

INTERCHANGE
TO BE OPENED
SUMMER 2019

FHWA# 600420
MAINT. 5200.8L380

FHWA# 600400
MAINT. 5200.7L380

FHWA# 600380
MAINT. 5200.5L380

FHWA# 600410
MAINT. 5200.8R380

FHWA# 600390
MAINT. 5200.7R380

FHWA# 31500
MAINT. 5245.4S006

FHWA# 600370
MAINT. 5200.5R380

FHWA# 32011
MAINT. 5240.0R080

FHWA# 32021
MAINT. 5240.0L080

FHWA# 31970
MAINT. 5237.70080

FHWA# 31980
MAINT. 5238.70080

FHWA# 32000 ML
MAINT. 5239.4L080

FHWA# 600365
MAINT. 5239.5A080

FHWA# 31990 ML
MAINT. 5239.4R080

FHWA# 600365
MAINT. 5239.3A080

FHWA# 600360
MAINT. 5200.0L.380

FHWA# 600350
MAINT. 5200.0R380

FHWA# 605565
MAINT. 5296.1S218

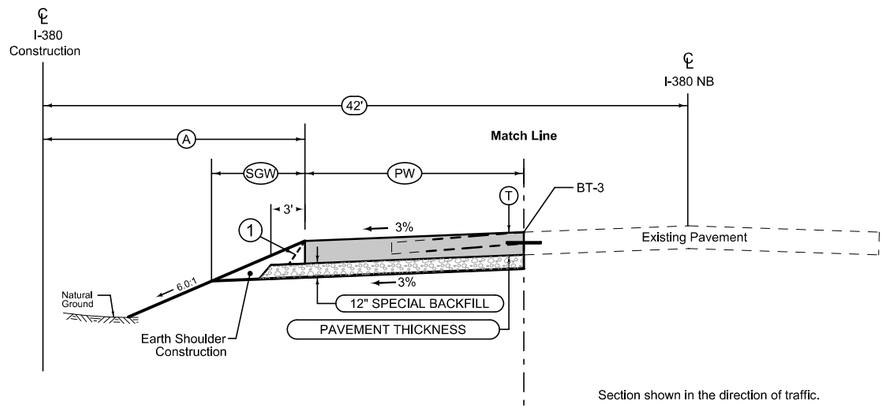
T-80N
T-79N

LOCATION MAP SCALE
0 0.1 0.2 0.3
Miles

EXISTING BRIDGE INFORMATION

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER A.3

9:24:21 AM 1/25/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5208001002\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_A01.dgn



Section shown in the direction of traffic.

LOCATION			DIMENSIONS						12" Special Backfill	Earth Shoulder Construction
					HMA		PCC			
ROAD IDENTIFICATION	STATION TO STATION		(A)	(PW)	(T)	(SGW)	(T)	(SGW)		
			Feet	Feet	Inches	Feet	Inches	Feet	Tons/Station	Station
I-380 NB	1217+89.85	1234+38.75	18	11.6	11.5	X	9.0	X	XX	XX
I-380 NB	1234+38.75	1260+00.00	10	19.7	11.5	X	9.0	X		
I-380 NB	1260+00.00	1326+00.00	10	Vari.	11.5	X	9.0	X		
I-380 NB	1326+00.00	1330+00.00	10-20.9	19.9	11.5	X	9.0	X		
I-380 NB	1330+00.00	1333+86.92	20.9	Vari.	11.5	X	9.0	X		
I-380 NB	1333+86.92	1335+60.13	20.9	6	11.5	X	9.0	X		

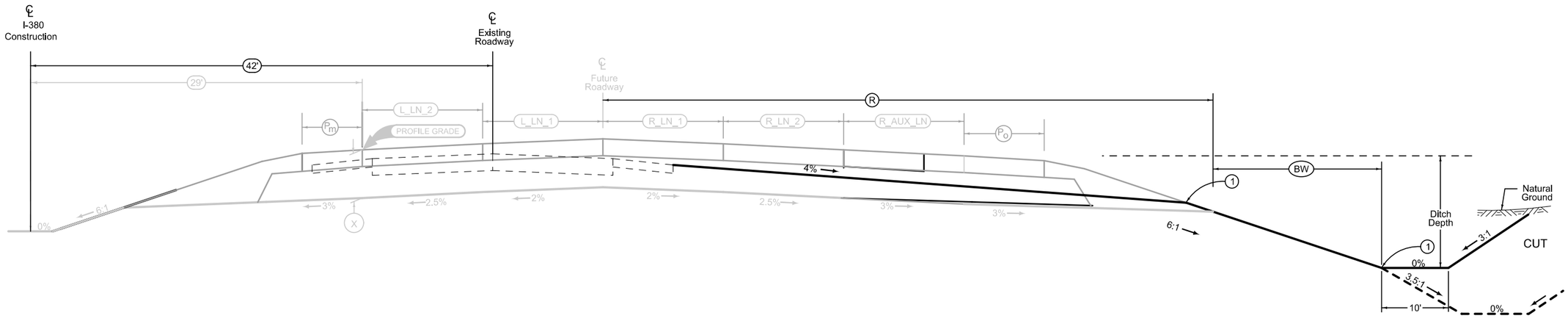
(1) Possible HMA 1:1 slope

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

See Tab 100-24 for pavement quantities.

I-380 Shoulder Strengthening



LOCATION				DIMENSIONS			
ROAD IDENTIFICATION	DIRECTION	STATION TO STATION		(R) Feet	(X) Inches	(BW) Feet	
I-380	NB	1217+89.85	1220+89.85	54.9 - 48.3	17	18.2	
I-380	NB	1220+89.85	1223+89.85	48.3	17	18.2-17.1	
I-380	NB	1223+89.85	1250+00.00	48.3	17	17.1	
I-380	NB	1250+00.00	1256+10.00	48.3 - 82.3	17	18.2	
I-380	NB	1256+10.00	1286+20.00	48.3	17	17.1	
I-380	NB	1286+20.00	1295+50.00	80.0 - 48.3	17	18.2	
I-380	NB	1295+50.00	1298+50.00	48.3	17	18.2-17.1	
I-380	NB	1298+50.00	1326+00.00	48.3	17	17.1	
I-380	SB	1217+89.85	1245+00.00	48.3	17	17.1	
I-380	SB	1245+00.00	1247+99.94	48.3	17	17.1 - 18.2	
I-380	SB	1247+99.94	1257+30.00	48.3 - 79.1	17	18.2	
I-380	SB	1257+30.00	1287+25.00	48.3	17	17.1	
I-380	SB	1287+25.00	1292+35.60	82.2 - 48.3	17	18.2	
I-380	SB	1292+35.60	1293+25.00	48.3	17	18.2 - 17.1	
I-380	SB	1293+25.00	1323+99.95	48.3	17	17.1	

(1) Refer to project plan and cross sections for specific location of foreslope change.

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

Future I-380 Grading

SURVEY SYMBOLS

- TDC Tree Deciduous
- D Centerline Draw or Stream (Down)
- EG Edge of Gravel Road
- Linn County REC
- BNK Stream Bank
- EP Edge of Paved Roads (ML or SR)
- EW Edge of Water
- ENU Edge Unpaved Entrance & Parking
- TEV Evergeen Tree
- HDG Hedge Row
- SNP Unpaved Shoulder
- WM Wind Mill
- SI Sign
- TV Satelite TV Dish
- IN Storm Sewer Intake
- MH Utility Access (Manhole)
- LUM Luminaire
- LP Tank
- GP Guard Post (Less Than 4 Posts)
- SCR Section Corner
- DU Centerline Draw or Stream (Up)
- OUT Tile Outlet
- FW Wire Fence
- ROW Right of Way Rail
- DIK Centerline of Dike or Dam
- RIP Rip-Rap
- GDL Guard Rail Steel
- PRISER Power Riser Pole
- INB Storm Sewer Beehive Intake
- LC Lot Corner
- ITC Midwest (Formerly Alliant Energy)
- SWP Swamp or Marsh
- ENT Centerline BL of Entrance
- FHD Fire Hydrants
- RET Retaining Walls
- STP Stump
- WV Water Valve
- FCL Chain Link and Security Fence
- WEL Well
- TPA Telephone Pole Co. 1
- FWD Wood Fence
- RR Centerline of Railroad Tracks
- MidAmerican Energy
- BM Bench Mark
- C Centerline BL of Road (ML or SR)
- BIN Grain Bin
- SI Sign
- TFR Tree Fruit
- SHR Shrub
- MM Mile Marker Post
- GP Guard Post (Less Than 4 Posts)
- FLG Flag Poles
- EB Electrical Box
- TPD Telephone Pedestal
- WHD Water Hydrant
- SL Speed Limit Sign
- SNK Sink Hole
- CIS Cistern
- SEP Septic Tank
- Central Iowa Power Coop (CIPCO)
- TP Telephone Pole
- TVP TVP TV Pedestal Symbol
- WV Water Valve
- WH Water Hydrant
- GUY Guy Wire
- TPED Telephone Pedestal
- EB Electrical Box
- UB Utility Box
- LUM Luminaire
- INT Storm Sewer Intake
- HT Highline Tower
- INTBH Intake (Beehive)
- INTBH Storm Sewer Intake (Beehive)
- MH Electrical Manhole
- MH Storm Sewer Manhole
- MH Sanitary Sewer Manhole
- MH Fiber Optic Manhole
- MH Manhole

UTILITY LEGEND

E1	Linn County REC Josh Pfannebecker 319-377-1587 Ext. 607 jpfannebecker@linncountyrec.com	Electrical Service / Buried Electrical Lines
E2	ITC Midwest Chad Levi 319-297-6765 clevi@itctransco.com	Overhead Electrical Transmission
E3	Iowa DOT Timothy Zelmet 319-626-2386 Timothy.Zelmet@iowadot.us	Buried Electrical Lines
E4	MidAmerican Energy Nate Johnson 563-333-8648 NLJohnson@midamerican.com	Overhead Electrical Transmission
E5	Central Iowa Power Coop (CIPCO) Dan Ketchum 319-734-4313 Dan.ketchum@cipco.net	Overhead Electrical Transmission
E5	Unclaimed	Buried Electrical Lines
G	MidAmerican Joe Retek 319-341-4457 jjretek@midamerican.com	Buried Gas - Intermediate Pressure
GHP	MidAmerican Steven DellaBetta 319-298-5163 amdellabetta@midamerican.com	Buried Gas - Hi-Pressure Gas
G2HP	Magellan Bill Saehler 319-330-0959 Bill.Saehler@magellanlp.com	Underground HI-Pressure Gas
F0	Iowa Communications Network (ICN) Timothy Flickinger 515-725-4699 timothy.flickinger@iowa.gov	Fiber Optic
F02	South Slope COOP Randy Cline (Primary) 319-626-2211 randy@southslope.com	Fiber Optic
F03	Century Link (Formerly Qwest) Bob Wegener (Primary) 815-382-3605 bwegener@terratechllc.net	Fiber Optic
F04	Transmission Windstream/PAETEC Dave Harris 515-297-8391 Dharris@pearce-services.com	Fiber Optic
F05	Local Windstream Brian Otto 402-436-5200 brian.otto@windstream.com	Fiber Optic
F06	Aureon Formerly INS Jeff Klocko 515-830-0445 jeff.klocko@aureon.com	Fiber Optic
F07	University of Iowa Chris Hatland (Primary) 319-335-1357 chris-hatland@uiowa.edu	Fiber Optic
F08	Unite Private Network/IM ON Dan Hogan (Primary UPN) 515-326-4237 dan.hogan@upnfiber.com Randy Schoon (Primary IMON) 319-261-4640 randys@lmon.net	Fiber Optic
F09	City of Coralville Ryan Foley 319-248-1720 rfoley@coralville.org	Fiber Optic
F010	Mediacom Darwin Driscoll (Primary) 845-204-5742 ddriscoll@mediacomcc.com	Fiber Optic
F011	Unclaimed	Fiber Optic
SAN.2	City of Coralville Ryan Foley 319-248-1720 rfoley@coralville.org	Sanitary Sewer
ST S	Iowa DOT Timothy Zelmet 319-626-2386 Timothy.Zelmet@iowadot.us	Storm Sewer
T1	Windstream Brian Otto 402-436-5200 brian.otto@windstream.com	Telephone
T2	South Slope COOP Mark Ditch 319-626-2211 mark@southslope.com	Telephone
TV	Mediacom Darwin Driscoll (Primary) 845-204-5742 ddriscoll@mediacomcc.com	Buried Television Cable
W2	City of Coralville Dan Holderness 319-248-1720 dholderness@coralville.com	Water
W4	City of Tiffin Benjamin A. Carhoff, P.E. 319-545-7215 bcarhoff@hart-frederick.com	Water

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING	**Design Color No.**	
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

- Reference Point / Station — Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.1

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CLEAR CREEK TWP.
T-80N R-7W
SEC. 27

1195 1200 1205 1210 1215 1220 1225

Pt Sta 1197+01.30

Iowa Interstate Railroad

STA. 1217+89.85
BEGIN CONSTRUCTION
BEGIN GRADING

Sta. 1218+75.10
24" X 170.50' Conc Pipe
Skewed 15°Rt. Ah.
D.A. = 5.0 A - H

Extend 24"x170.5' RCP Lt
with 24"x38' RCP
Lt. 726.50
F.L. = Rt. N/A
Other 728.06

Extend 24"x170.5' RCP Rt
with 24"x28' RCP
Lt. N/A
F.L. = Rt. 731.20
Other 730.26

+00 Prop.
Type "G" Dike
Elev. = 730.70

Sta. 1219+24.0
24" X 64.80' Conc Pipe
D.A. = MEDIAN ONLY

Extend 24"x64.8' RCP Lt
with 24"x8' RCP
Lt. 733.54
F.L. = Rt. N/A
Other 732.07

Extend 24"x64.8' RCP Rt
with 24"x28' RCP
Lt. N/A
F.L. = Rt. 731.21
Other 731.21

+00 Prop.
Type "G" Dike
Elev. = 736.80

+75 Prop.
Type "G" Dike
Elev. = 733.20

0 100
FEET

I-380

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.2

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Bench Grade
Lt. No Bench | Bench Grade | No Bench
Rt. No Bench | Bench Grade | NB | Bench Grade | BG

VPI +60.000
Elv 721.00
Len 910.00 ft
K = 248
+2.500%
-1.173%
715.32
END CLOSED MEDIAN
Sta. 1210+00.00
Elev. 713.96
-1.173%
+3.000%
+0.48% Lt. Ditch Grade
+0.48% Rt. Ditch Grade
+40 Lt.
672.50
+50 Rt.
671.80
+60 Rt.
686.00
+80 Lt.
680.10
+3.75% Rt. Ditch Grade
+5.43% Lt. Ditch Grade
VPI +35.000
Elv 710.04
Len 900.00 ft
K = 216
+00 Rt.
713.78
+00 Lt.
713.78
+90 Rt.
756.30
+0.50% Rt. Bench Grade
+80 Rt.
754.85
-12.50% Rt. Bench Grade
+90 Rt.
760.68
-1.70% Rt. Bench Grade
+55 Rt.
754.48
-12.50% Rt. BG
+10 Rt.
741.70
+20 Lt.
738.89
-0.50% Rt. Bench Grade
+10 Rt.
738.60
+10 Rt.
738.70
-12.50% Rt. BG
-2.00% Lt. Bench Grade
+40 Lt.
732.49
+40 Rt.
734.95
+00 Lt.
728.00
-12.50% Lt. BG
+00 Lt.
724.99
-3.75% Lt. DG
+5.26% Lt. Ditch Grade
+60 Lt.
726.50
+40 Lt.
726.50
+00 Lt.
733.87

760 750 740 730 720 710 700 690 680 670 660 650

Lt Med Rt	Ditch Grade	Bridge	No Ditch	Bridge	Ditch Grade	5' Ditch	Ditch Grade	5' Ditch	Lt Med Rt
	Ditch Grade	Bridge	No Ditch	Bridge	Ditch Grade		5' Ditch		
	Closed Median With Intakes					Variable - V Ditch		V Ditch	

707.63 708.25 708.88 709.50 710.12 710.71 711.28 711.82 712.34 712.83 713.29 713.73 714.15 714.54 714.90 715.24 715.56 715.85 716.11 716.35 716.57 716.75 716.92 717.06 717.17 717.26 717.32 717.36 717.37 717.35 717.32 717.25 717.16 717.05 716.91 716.74 716.55 716.34 716.10 715.83 715.54 715.25 714.96 714.67 714.41 714.18 713.97 713.80 713.65 713.54 713.45 713.39 713.36 713.36 713.39 713.44 713.53 713.65 713.79 714.65 714.88 715.14 715.43 715.74 716.09 716.47 716.87 717.31 717.77 718.26 718.78 719.33 719.91 720.52 721.16 721.82 722.52 723.24 723.99 724.74 725.49 726.24 726.99 727.74 728.49 729.24 729.99 730.74 731.49 732.24 732.99 733.74 734.49 735.24 735.99 736.73 737.46 738.17 738.87 739.55 740.22 740.87 741.51 742.13 742.74 743.33 743.90 744.47 745.01 745.54 746.06 746.56 747.05 747.52 747.97 748.42 748.84 749.25 749.65

1195 1200 1205 1210 1215 1220 1225

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.3

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CLEAR CREEK TWP.
T-80N R-7W
SEC. 27

CLEAR CREEK TWP.
T-80N R-7W
SEC. 22

Sta. 1254+99.5
24" X 110' Conc Pipe
D.A. = MEDIAN
(U.A.C.)

1225 1230 1235 1240 1245 1250 1255

SIGN

FO

+25 Prop.
Type "G" Dike
Elev. = 747.30

Sta. 1225+75.22
30" X 194.70' Conc Pipe
D.A. = 4.0 A - R

Extend 30"x194.7' RCP Lt
with 30" x 28' RCP
Lt. 739.54
F.L. = Rt. n/a
Other 740.09

Extend 30"x194.7' RCP Rt
with 30" x 28' RCP
Lt. n/a
F.L. = Rt. 745.30
Other 743.88

Sta. 1241+23.32
30" X 42.84' CONC PIPE
W/30" x 25.90' PLASTIC EXT.
D.A. = MEDIAN ONLY A - R

Extend 30"x42.84' RCP Lt
with 30" x 12' RCP
Lt. 743.80
F.L. = Rt. n/a
Other 743.80

Remove 30"x25.90' Plastic Ext.

Replace with 30"x26' RCP

Lt. N/A
F.L. = Rt. 740.92
Other 741.88

Extend 30"x68.84' RCP Rt
with 30" x 86' CMP
Lt. n/a
F.L. = Rt. 724.30
Other 740.88
Other 725.62

Sta. 1241+29.40
Skew 15 deg Rt Ahd
6 X 6 X 272.60' RCB
D.A. = 164.0A - R

Extend 6'x6'x272.6' RCB Lt | By Other Plan
with 6'x6'x55' RCB
Lt. 715.81
F.L. = Rt. N/A
Other 716.38
Design No. 720

Extend 6'x6'x272.6' RCB Rt | By Other Plan
with 6'x6'x44' RCB
Lt. N/A
F.L. = Rt. 720.58
Other 719.99
Design No. 1119

+80 Prop.
Type "G" Dike
Elev. = 750.20

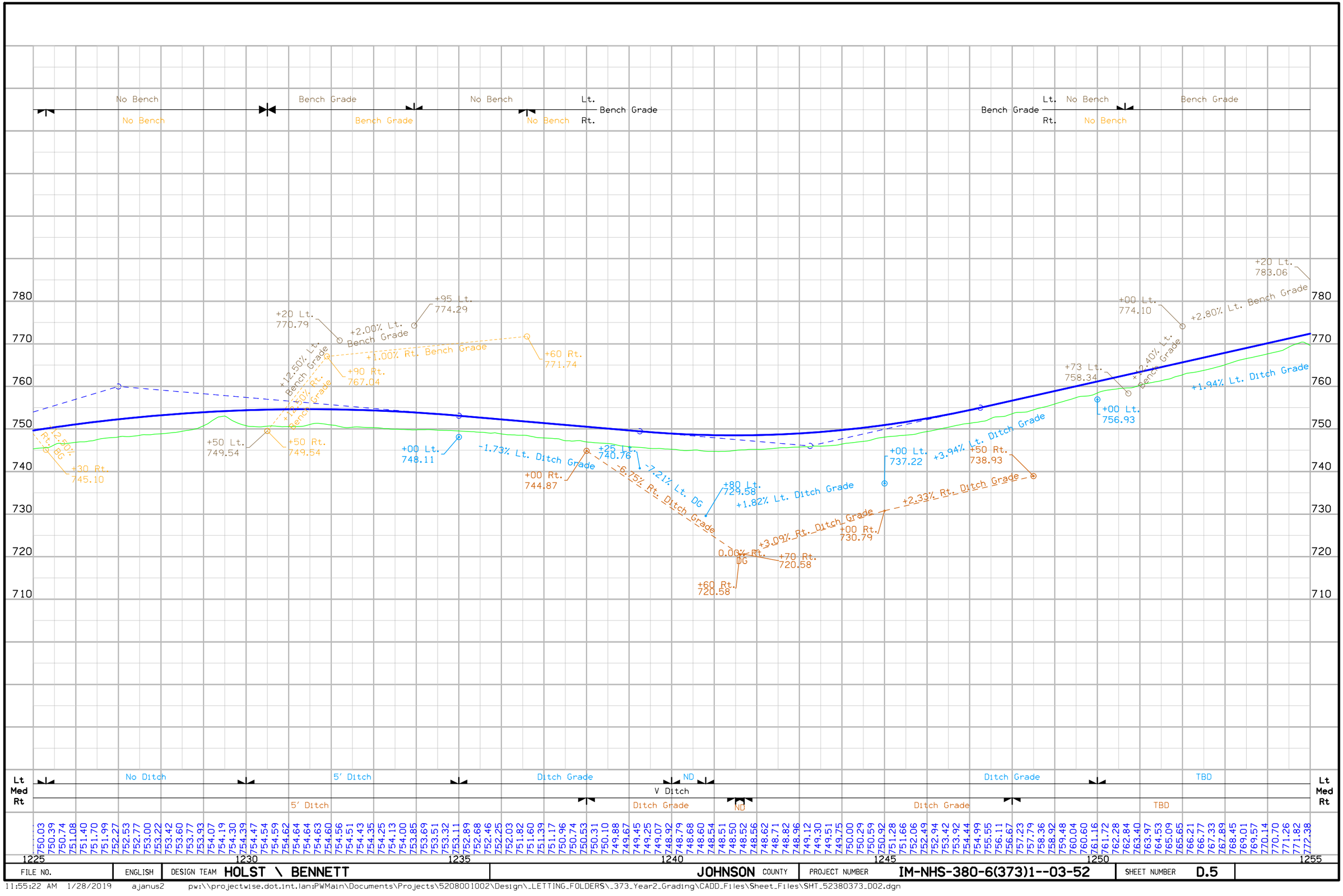
Sta. 1245+00.00
Install 30"x158' RCP
F.L. = Lt. 748.28
Rt. 730.79
Other 745.16
(Trenchless 94')

0 100
FEET

I-380

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.4

11:55:20 AM 1/28/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5208001002\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_D02.dgn



FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.5

11:55:22 AM 1/28/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\52080010O2\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_D02.dgn

Pipe

Barn

CLEAR CREEK TWP.
T-80N R-7W
SEC. 22

Sta. 1271+97.35
282' x 70' Pretensioned
Prestressed Concrete
Beam Bridge
(U.A.C.)

Ramp C

Ramp A

Ramp B

Ramp D

Forevergreen Rd.

Forevergreen Rd.

1255

1260

1265

1270

1275

1280

1285

PC Sta 1267+32.71

PT Sta 1274+95.49

FI Sta 1271+14.12

30" x 108.7'
R.C.P.

30" x 108.7'
Conc. Pipe

SIGN

FO

F03

I 380

+90
Type "G" Dike
Elev. = 772.00
(U.A.C.)

Sta. 1254+99.00
24" X 110.0' Conc Pipe
D.A. = MEDIAN
(U.A.C.)

Sta. 1257+90.01
30" X 356.5' Conc Pipe
D.A. = 5.0 A - R
(U.A.C.)

Sta. 1274+4
24 X 65.2 Conc Pipe
D.A. = MEDIAN ONLY
(U.A.C.)

Sta. 1274+99.5
36 X 168.9 Conc Pipe
D.A. = 17 A - R
(U.A.C.)

Sta. 1277+99.3
24 X 174.4 Conc Pipe
D.A. = 34 A - F-R
(U.A.C.)

I-380

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.6

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No Bench Lt.
Bench Grade
No Bench Rt.

VPI +50.000
Elv 789.21
Len 1,200.00 ft
K = 402

TIE-IN
Sta. 1260+00.00
Elev. 782.08

+2.244%
-0.740%

+25 Rt.
762.06

	1255	1260	1265	1270	1275	1280	1285
Lt		U.A.C.				U.A.C.	
Med		V Ditch				V Ditch	
Rt		U.A.C.				U.A.C.	

772.94 773.50 774.06 774.62 775.18 775.75 776.30 776.84 777.36 777.86 778.36 778.83 779.29 779.74 780.16 780.58 780.98 781.36 781.72 782.08 782.41 782.73 783.04 783.32 783.60 783.86 784.10 784.33 784.54 784.73 784.91 785.08 785.23 785.36 785.48 785.58 785.67 785.74 785.79 785.83 785.86 785.87 785.86 785.84 785.80 785.75 785.68 785.60 785.50 785.38 785.25 785.11 784.94 784.77 784.58 784.40 784.21 784.03 783.84 783.66 783.47 783.29 783.10 782.92 782.73 782.55 782.36 782.18 781.99 781.81 781.62 781.44 781.25 781.07 780.88 780.70 780.51 780.33 780.14 779.96 779.77 779.59 779.40 779.22 779.03 778.85 778.66 778.48 778.29 778.11 777.92 777.74 777.55 777.37 777.18 777.00 776.81 776.63 776.44 776.26 776.07 775.89 775.70 775.52 775.33 775.15 774.96 774.78 774.59 774.41 774.22 774.04 773.85 773.67 773.48 773.30 773.11 772.93 772.74 772.56

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.7

CLEAR CREEK TWP.
T-80N R-7W
SEC. 22

Sta. 1300+00.00 - 53' LT
Install 24" X 122' RCP
F.L. = Lt. 751.33
Rt. 760.01
Other 757.53
(Trenchless 80')

+20 Prop.
Type "G" Dike
Elev. = 762.50

CLEAR CREEK TWP.
T-80N R-7W
SEC. 15

Sta. 1309+00.00 - 53' LT
Install 24" X 132' RCP
F.L. = Lt. 756.00
Rt. 763.61
Other 761.20
(Trenchless 84')

+80 Prop.
Type "G" Dike
Elev. = 766.00

Sta. 1315+00.3
24 X 64.40 Conc Pipe
D.A. = MEDIAN ONLY A - GR

Extend 24"X64.4' RCP LT
With 24" X 10' RCP
Lt. 764.88
F.L. = Rt. 764.90

Extend 24"X64.4' RCP RT
With 24" X 30' RCP
Lt. 766.61
F.L. = Rt. 767.61

+75 Prop.
Type "G" Dike
Elev. = 770.80

1285 1290 1295 1300 1305 1310 1315

FO

42" x 44'
C.M.P.
Remove

42" x 43.8'
C.M.P.
Remove

Extend 24" X 64.60' RCP LT
with 24" X 12' RCP
Lt. 759.72
F.L. = Rt. 759.40

Extend 24" X 64.60' RCP RT
with 24" X 40' RCP
Lt. 757.09
F.L. = Rt. 753.55

Extend 8'X8'X214.9' RCB LT By Other Plan
with 8'X8'X23' RCB
Lt. 746.66
F.L. = Rt. 746.66
Design No. 1319

Extend 8'X8'X214.9' RCB RT By Other Plan
with 8'X8'X23' RCB
Lt. 747.76
F.L. = Rt. 747.76
Design No. 1219

Sta. 1287+78.0
42" X 290.6' Conc Pipe
D.A. = PART OF 45 A - GR
(U.A.C.)

Sta. 1287+88.0
42" X 290.6' Conc Pipe
D.A. = PART OF 45 A - GR
(U.A.C.)

Sta. 1289+98.8
24" X 64.4' Conc Pipe
D.A. = MEDIAN ONLY A - GR
(U.A.C.)

Sta. 1300+83.00
24" X 64.60' Conc Pipe
D.A. = MEDIAN ONLY - GR

Sta. 1303+47.2
Skew 15 deg Rt Ahd
TWIN 8 X 8 X 214.93 RCB
D.A. = 900A - F-R-TILED

0 100
FEET

I-380

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.8

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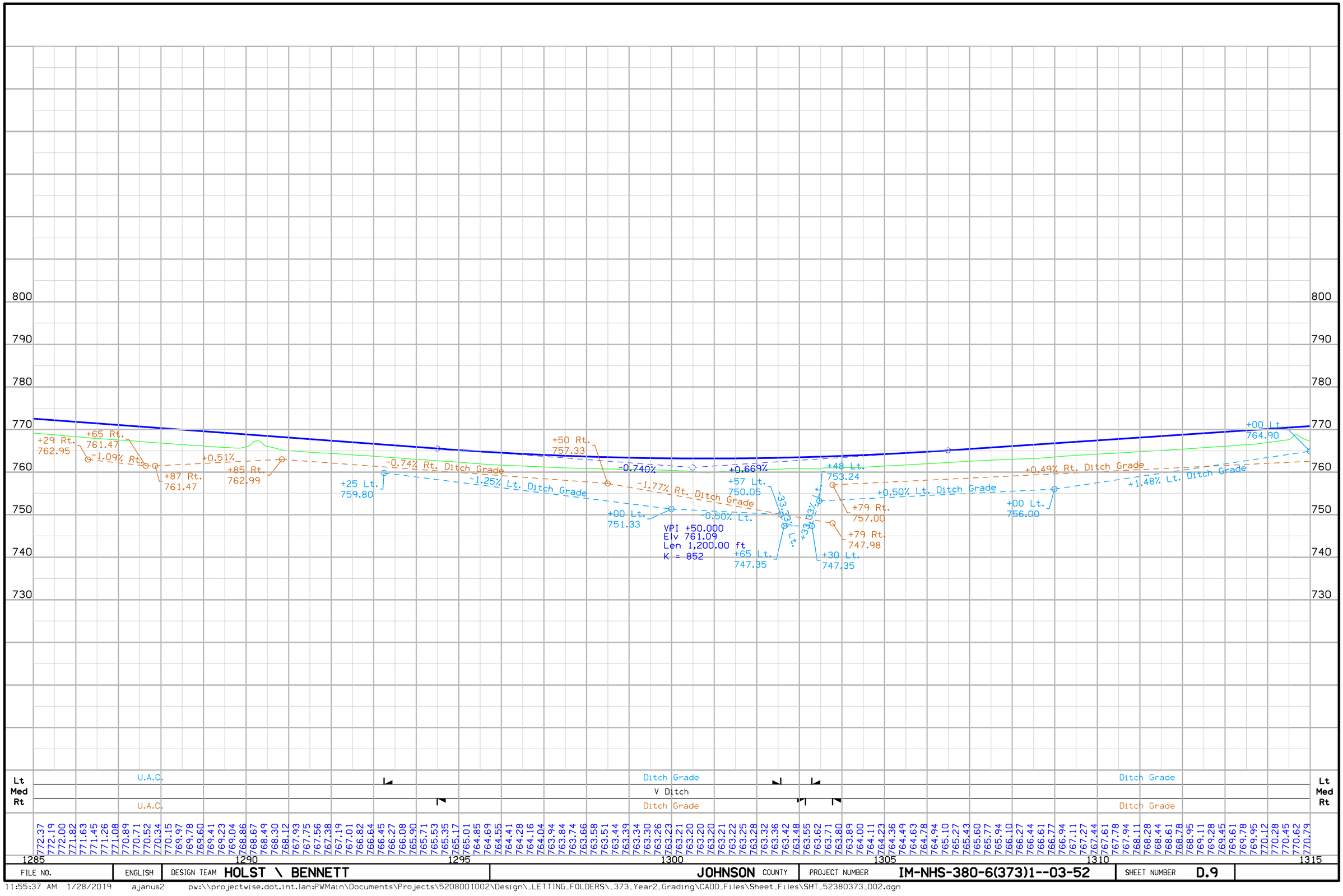
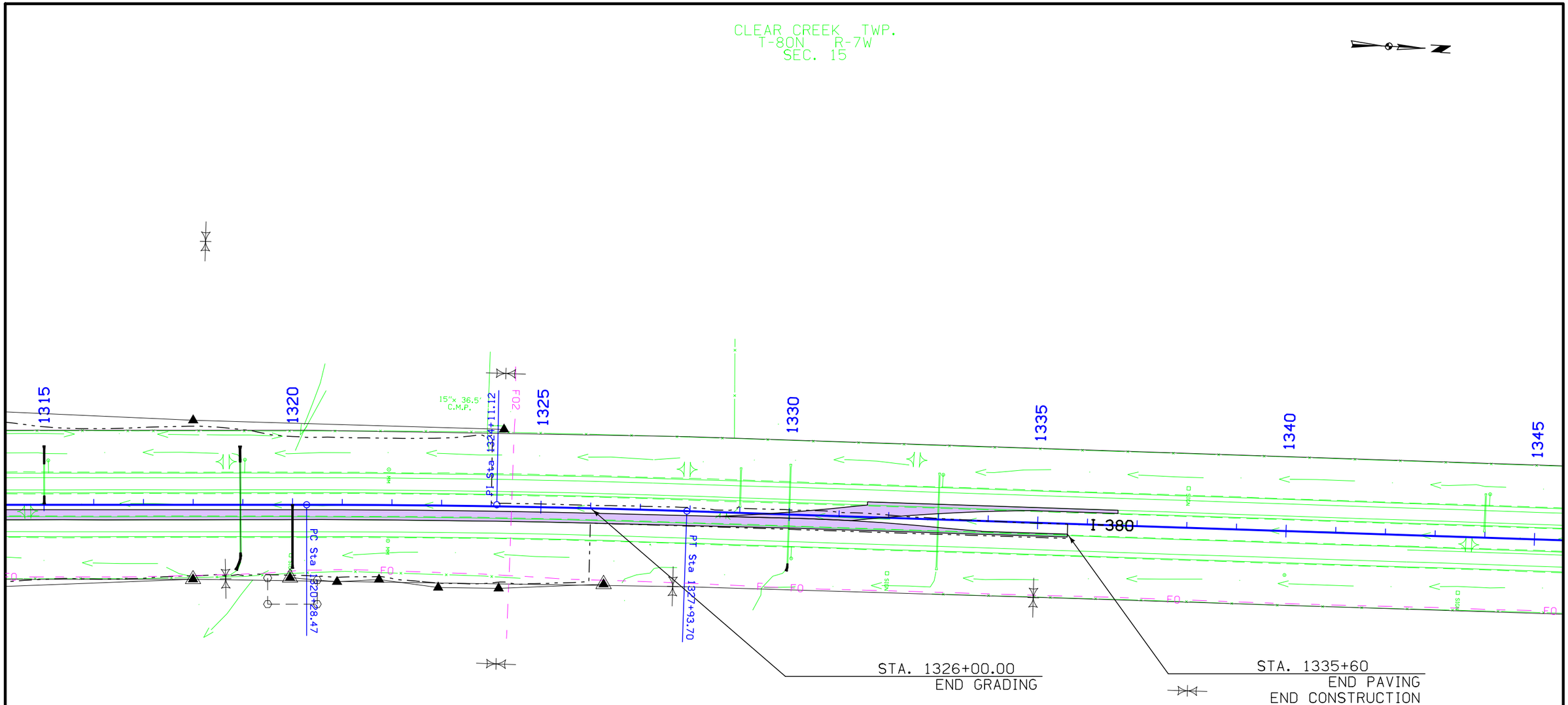


FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.9

11:55:37 AM 1/28/2019 ajanus2 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5208001002\Design_LETTING_FOLDERS_373_Year2_Grading\CADD_Files\Sheet_Files\SHT_52380373_D02.dgn

CLEAR CREEK TWP.
T-80N R-7W
SEC. 15



+75 Prop.
Type "G" Dike
Elev. = 769.80

Extend 30"X182.9' RCP LT
With 30" RCP
Lt. 767.20
F.L. = Rt. 767.20

Extend 30"X182.9' RCP RT
With 30" RCP
Lt. 764.50
F.L. = Rt. 764.50

Sta. 1318+95.0
30 X 182.90 Conc Pipe
D.A. = 12 A - R

+80 Prop.
Type "G" Dike
Elev. = 774.00

Sta. 1320+00 - 53' RT
Install 24" x 116' RCP
Lt. 770.96
F.L. = Rt. 765.71
Other 768.74
(Trenchless 70')

Extend 24"X194.7 RCP
With 24" RCP
Lt. 772.53
F.L. = Rt. 771.98

Sta. 1329+00.3
24 X 67.10 Conc Pipe
D.A. = 5 A - R

0 100
FEET

Sta. 1329+99.4
24 X 194.7 Conc Pipe
D.A. = 5 A - R

Sta. 1332+99.2
24 X 182.6 Conc Pipe
D.A. = 12 A - GR

Sta. 1343+98.6
24 X 64.7 Conc Pipe
D.A. = MEDIAN ONLY - GR

I-380

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.10

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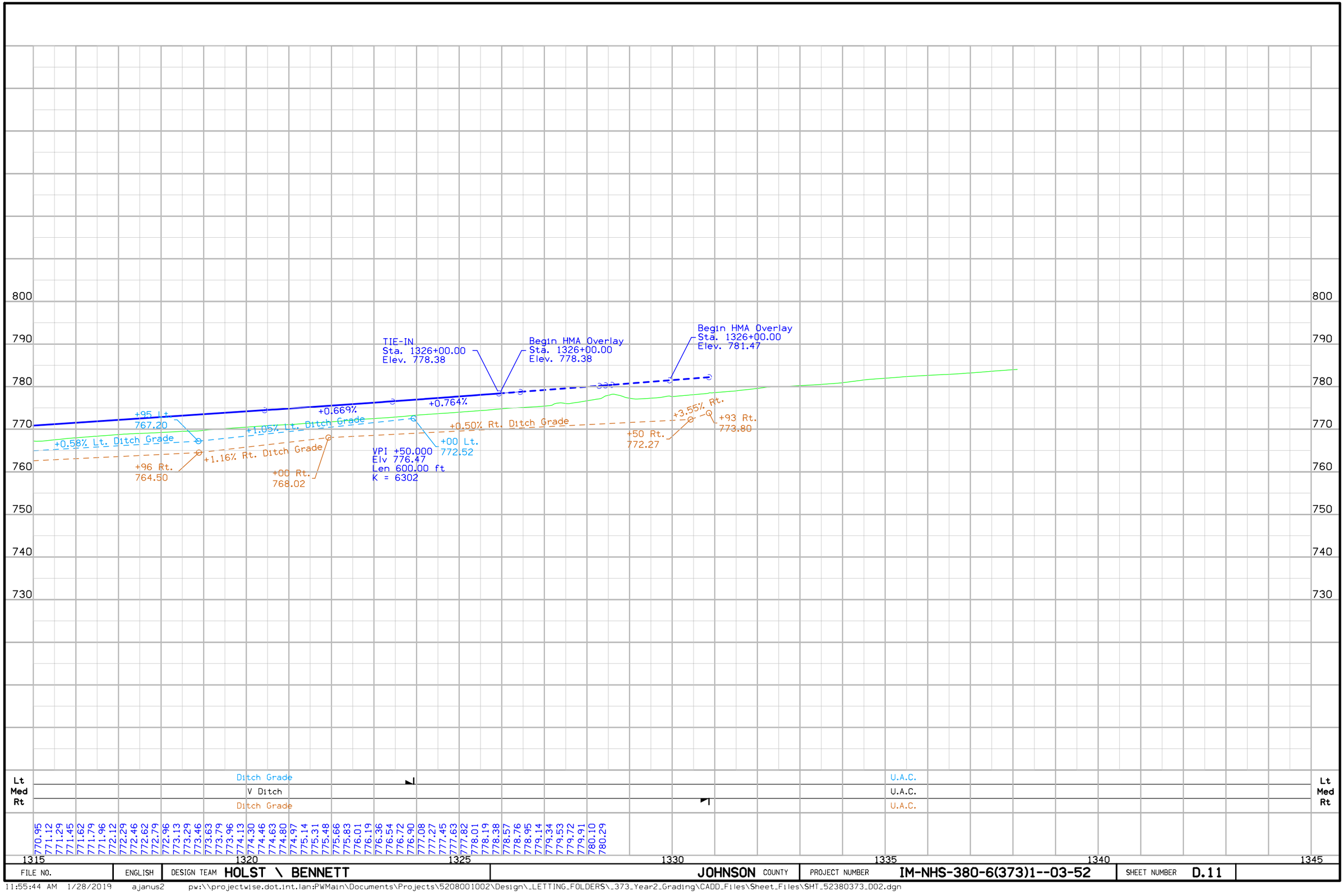

FILE NO.	ENGLISH	DESIGN TEAM HOLST \ BENNETT	JOHNSON COUNTY	PROJECT NUMBER IM-NHS-380-6(373)1--03-52	SHEET NUMBER D.11

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