STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF BARTON, ORLEANS VILLAGE

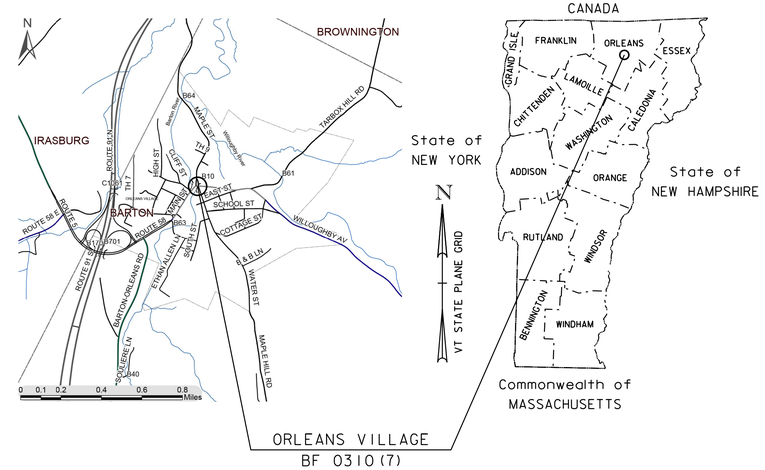
COUNTY OF ORLEANS

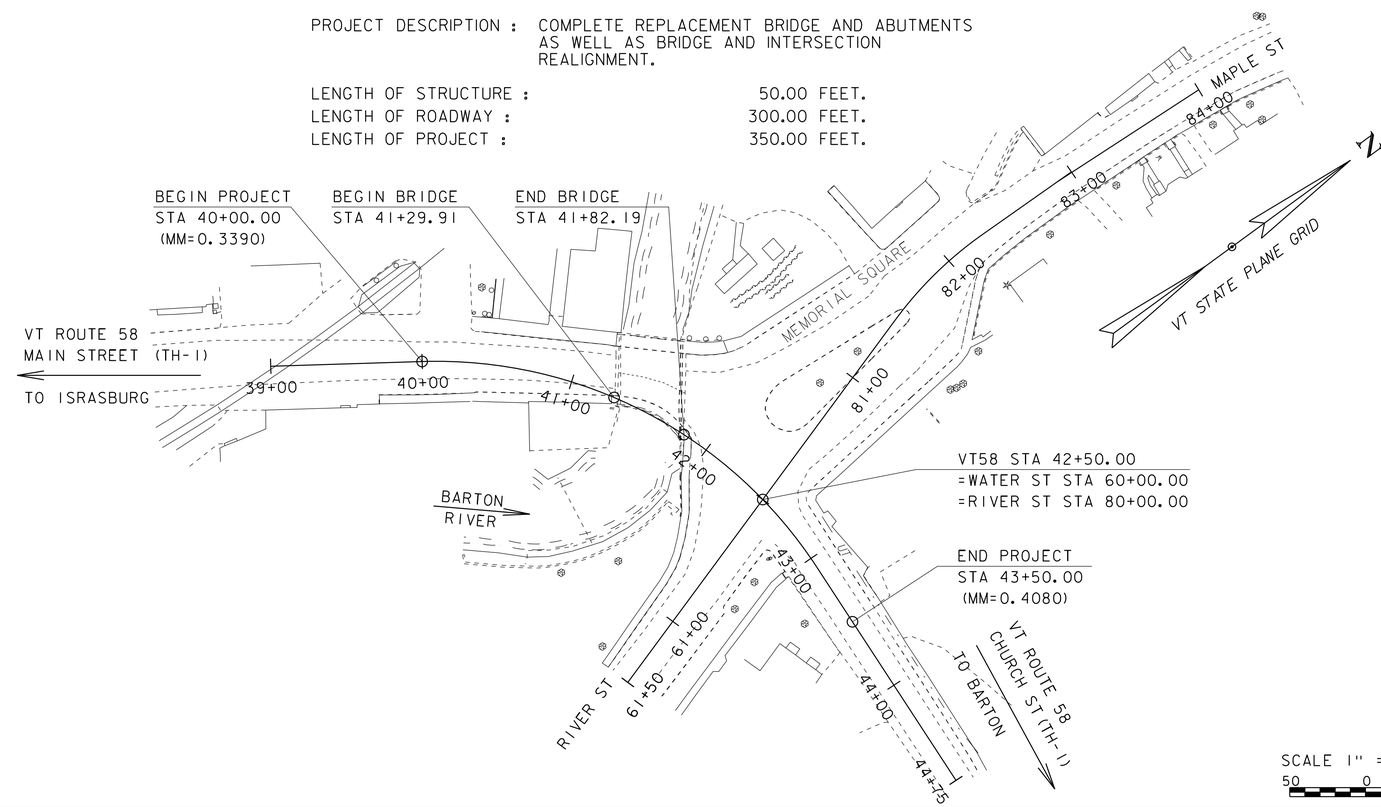
ROUTE NO : VT RT 58, MAJOR COLLECTOR BRIDGE NO : 10

PROJECT LOCATION : CENTER OF ORLEANS VILLAGE, AT THE INTERSECTION OF VT ROUTE 58 (TH-1), MAPLE ST, AND WATER ST. OVER THE BARTON RIVER.

PROJECT DESCRIPTION : COMPLETE REPLACEMENT BRIDGE AND ABUTMENTS AS WELL AS BRIDGE AND INTERSECTION REALIGNMENT.

LENGTH OF STRUCTURE :	50.00 FEET.
LENGTH OF ROADWAY :	300.00 FEET.
LENGTH OF PROJECT :	350.00 FEET.





SCALE 1" = 50'-0"
50 0 50

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY :	VAOT - R.GILMAN
SURVEYED DATE :	01-26-2010
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83(2007)

CONCEPTUAL PLANS
28-JUL-2015

DIRECTOR OF PROJECT DELIVERY	
APPROVED _____ DATE _____	
PROJECT MANAGER :	D. BONNEAU P.E.
PROJECT NAME :	ORLEANS VILLAGE
PROJECT NUMBER :	BF 0310(7)
SHEET 1 OF 22 SHEETS	

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

Version
LRFD

INDEX OF SHEETS

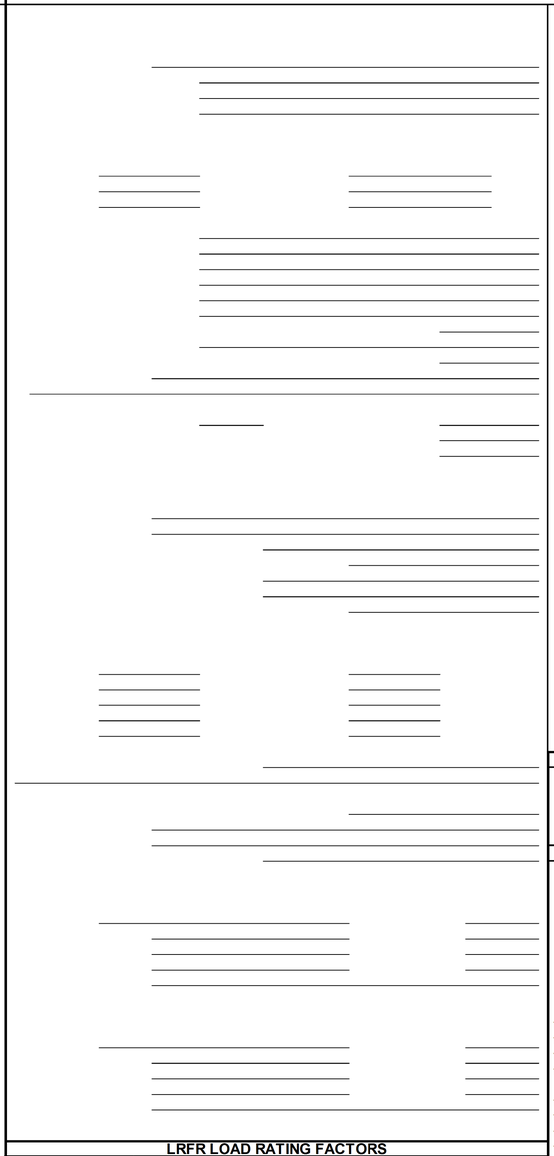
PLAN SHEETS

STANDARDS LIST

STRUCTURES DETAIL SHEETS

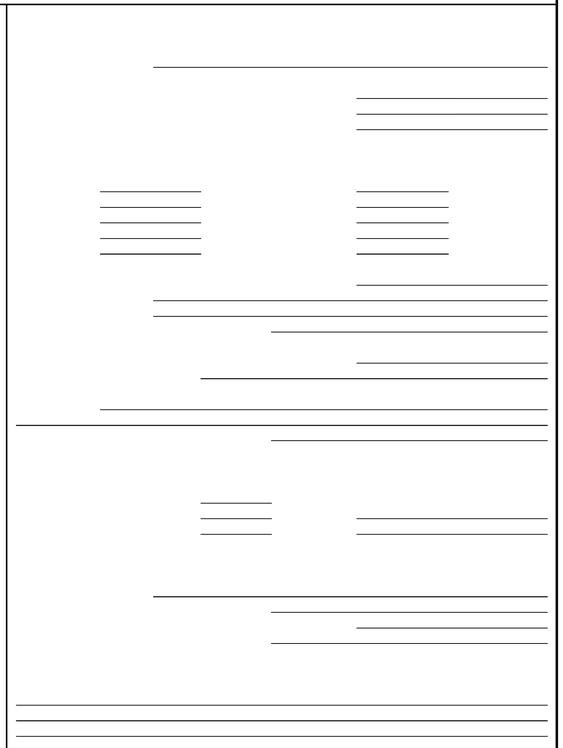
SD-501.00	CONCRETE DETAILS AND NOTES	5/7/2010
SD-502.00	CONCRETE DETAILS AND NOTES	5/7/2010
SD-516.10	BRIDGE JOINT ASHPALTIC PLUG	5/7/2010
SD-601.00	STRUCTURAL STEEL DETAILS AND NOTES	5/7/2010
SD-602.00	STRUCTURAL STEEL PLATE GIRDER DETAILS AND NOTES	5/7/2010

FINAL HYDRAULIC REPORT



LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK						
	H-20	HL-93	3S2	6 AXLE	3A STR.	4A STR.	5A SEM
TONNAGE	20	36	36	66	30	34.5	38
INVENTORY							
POSTING							
OPERATING							
COMMENTS:							



TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. SIDEWALKS ARE NOT NECESSARY

DESIGN VALUES

1. DESIGN LIVE LOAD		HL-93
2. FUTURE PAVEMENT	d_p:	---
3. DESIGN SPAN	L:	50.00 FT
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)	Δ:	---
5. PRESTRESSING STRAND	f_y:	---
6. PRESTRESSED CONCRETE STRENGTH	f'_c:	---
7. PRESTRESSED CONCRETE RELEASE STRENGTH	f'_{ci}:	---
8. CONCRETE, HIGH PERFORMANCE CLASS AA	f'_c:	---
9. CONCRETE, HIGH PERFORMANCE CLASS A	f'_c:	4.0 KSI
10. CONCRETE, HIGH PERFORMANCE CLASS B	f'_c:	3.5 KSI
11. CONCRETE, CLASS C	f'_c:	---
12. REINFORCING STEEL	f_y:	60 KSI
13. STRUCTURAL STEEL AASHTO M270	f_y:	---
14. NOMINAL BEARING RESISTANCE OF SOIL	q_n:	4.0 KSF
15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
16. NOMINAL BEARING RESISTANCE OF ROCK	q_n:	10.0 KSF
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	---
18. PILE RESISTANCE FACTOR	ϕ:	---
19. LATERAL PILE DEFLECTION	Δ:	---
20. BASIC WIND SPEED	V_{3s}:	---
21. MINIMUM GROUND SNOW LOAD	p_g:	---
22. SEISMIC DATA PGA: 0	S_s:	---
	S_1:	---
23.		
24.		---
25.		---
26.		---

AS BUILT "REBAR" DETAIL

LEVEL I	LEVEL II	LEVEL III
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2016	4600	520	59	2	180
2036	4900	550	59	3	300

20 year ESAL for flexible pavement from 2016 to 2036 : 0

40 year ESAL for flexible pavement from 2016 to 2056 : 0

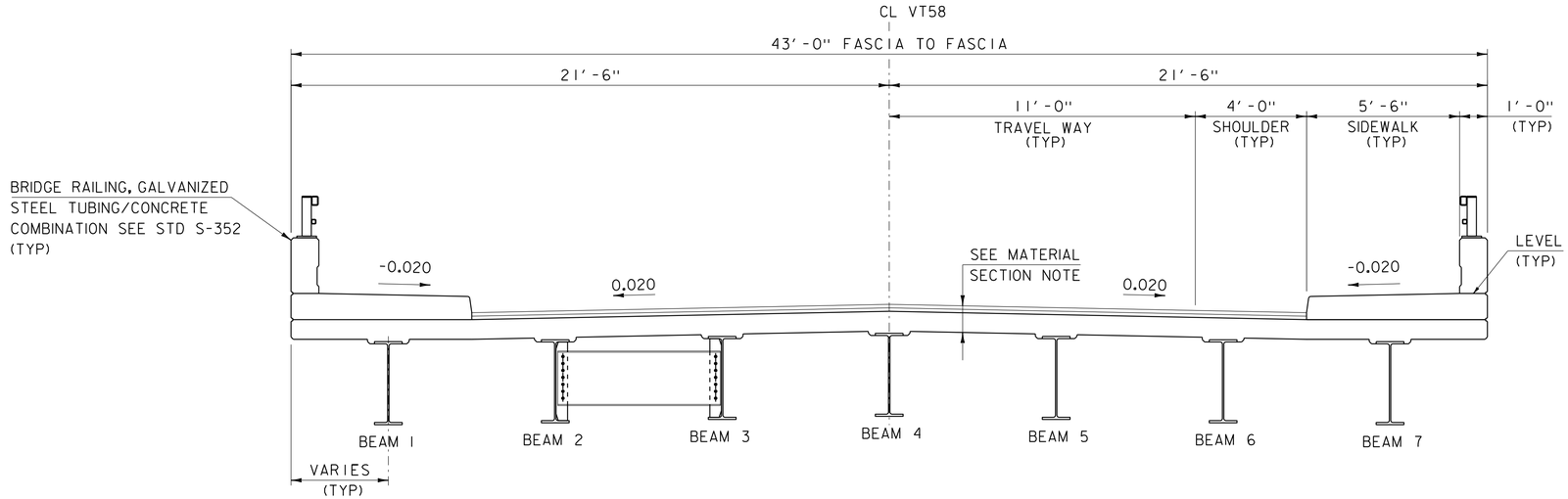
Design Speed : 0 mph

PROJECT NAME: **ORLEANS VILLAGE**

PROJECT NUMBER: **BF 0310(7)**

FILE NAME: **s13j084pi.dgn**
PROJECT LEADER: **D. BONNEAU**
DESIGNED BY: **M. EVANS-MONGEON**
PRELIMINARY INFORMATION SHEET 1

PLOT DATE: 7/28/2015
DRAWN BY: **M. LONGSTREET**
CHECKED BY: **M. EVANS-MONG**
SHEET 2 OF 22

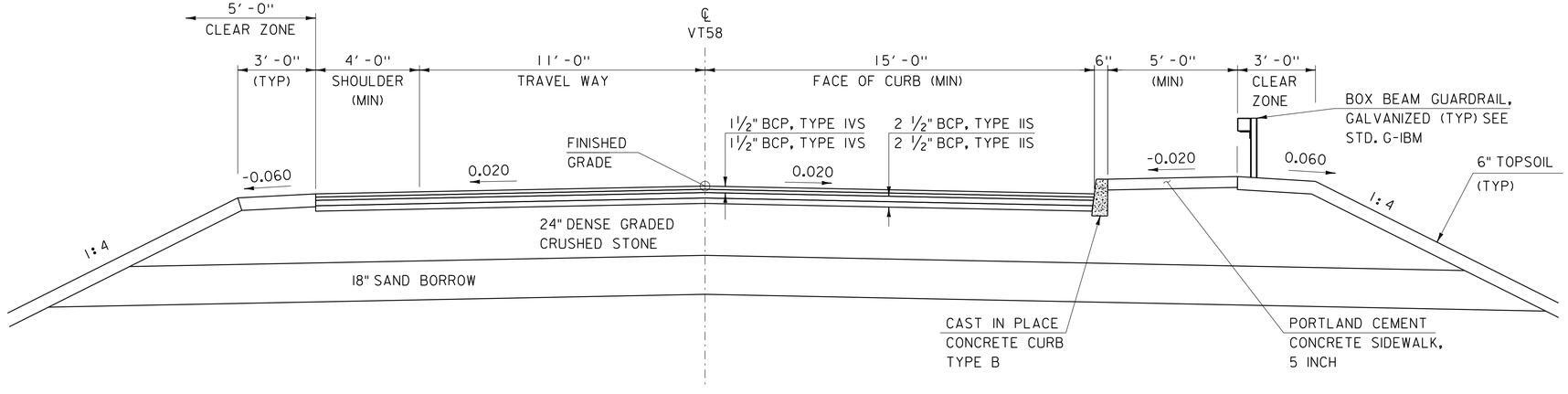


MATERIAL SECTION
- 1½" BCP, TYPE IVS
- 1½" BCP, TYPE IVS
- SHEET MEMBRANE WATERPROOFING, TORCH APPLIED
- 8½" HIGH PERFORMANCE CONCRETE, CLASS A

BCP SHOULD BE READ AS BITUMINOUS CONCRETE PAVEMENT AND SHALL BE PAID FOR UNDER ITEM 900.680 "SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)".

BRIDGE TYPICAL SECTION

SCALE: 3/8" = 1'-0"



WITHOUT SIDEWALK

WITH SIDEWALK

VT 58 TYPICAL SECTION

SCALE: 3/8" = 1'-0"

MATERIAL TOLERANCES (IF USED ON PROJECT)	
SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

TACK COAT:
EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.025 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084typ.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
TYPICAL SECTIONS

PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
⧈	BNDNS	BOUND TO BE SET
●	IPNS	IRON PIN SET
◎	IPNS	IRON PIN TO BE SET
⊠	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
	APL	BOUND APPARENT LOCATION
	BM	BENCHMARK
	BND	BOUND
	CB	CATCH BASIN
	COMB	COMBINATION POLE
	DITHR	DROP INLET THROATED DNC
	EL	ELECTRIC POWER POLE
	FPOLE	FLAGPOLE
	GASFIL	GAS FILLER
	GP	GUIDE POST
	GSO	GAS SHUT OFF
	GUY	GUY POLE
	GUYW	GUY WIRE
	GV	GATE VALUE
	H	TREE HARDWOOD
	HCTRL	CONTROL HORIZONTAL
	HVCTRL	CONTROL HORIZ. & VERTICAL
	HYD	HYDRANT
	IP	IRON PIN
	IPIPE	IRON PIPE
	LI	LIGHT - STREET OR YARD
	MB	MAILBOX
	MH	MANHOLE (MH)
	MM	MILE MARKER
	PM	PARKING METER
	PMK	PROJECT MARKER
	POST	POST STONE/WOOD
	RRSIG	RAILROAD SIGNAL
	RRSL	RAILROAD SWITCH LEVER
	S	TREE SOFTWOOD
	SAT	SATELLITE DISH
	SHRUB	SHRUB
	SIGN	SIGN
	STUMP	STUMP
	TEL	TELEPHONE POLE
	TIE	TIE
	TSIGN	SIGN W/DOUBLE POST
	VCTRL	CONTROL VERTICAL
	WELL	WELL
	WSO	WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES

- UGU — UTILITY (GENERIC-UNKNOWN)
- UT — TELEPHONE
- UE — ELECTRIC
- UC — CABLE (TV)
- UEC — ELECTRIC+CABLE
- UET — ELECTRIC+TELEPHONE
- UCT — CABLE+TELEPHONE
- UECT — ELECTRIC+CABLE+TELEP.
- G — GAS LINE
- W — WATER LINE
- S — SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

- AGU — UTILITY (GENERIC-UNKNOWN)
- T — TELEPHONE
- E — ELECTRIC
- C — CABLE (TV)
- EC — ELECTRIC+CABLE
- ET — ELECTRIC+TELEPHONE
- AER E&T — ELECTRIC+TELEPHONE
- CT — CABLE+TELEPHONE
- ECT — ELECTRIC+CABLE+TELEP.
- UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOGY

- CZ — CLEAR ZONE
- PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

- TOP OF CUT SLOPE
- TOE OF FILL SLOPE
- STONE FILL
- BOTTOM OF DITCH ℄
- CULVERT PROPOSED
- STRUCTURE SUBSURFACE
- PDF — PDF — PROJECT DEMARCATION FENCE
- BF — BF — BARRIER FENCE
- TREE PROTECTION ZONE (TPZ)
- STRIPING LINE REMOVAL
- SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

- TOWN LINE — TOWN BOUNDARY LINE
- COUNTY LINE — COUNTY BOUNDARY LINE
- STATE LINE — STATE BOUNDARY LINE
- PROPOSED STATE R.O.W. (LIMITED ACCESS)
- PROPOSED STATE R.O.W.
- STATE ROW (LIMITED ACCESS)
- STATE ROW
- TOWN ROW
- PERMANENT EASEMENT LINE (P)
- TEMPORARY EASEMENT LINE (T)
- SURVEY LINE
- P/L — PROPERTY LINE (P/L)
- SR SR SR — SLOPE RIGHTS
- 6f — 6f — 6F PROPERTY BOUNDARY
- 4f — 4f — 4F PROPERTY BOUNDARY
- HAZ — HAZ — HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOGY

EPSC MEASURES

- FILTER CURTAIN
- SILT FENCE
- SILT FENCE WOVEN WIRE
- CHECK DAM
- DISTURBED AREAS REQUIRING RE-VEGETATION
- EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLOGY

ENVIRONMENTAL RESOURCES

- WETLAND BOUNDARY
- RIPARIAN BUFFER ZONE
- WETLAND BUFFER ZONE
- SOIL TYPE BOUNDARY
- T&E — THREATENED & ENDANGERED SPECIES
- HAZ — HAZ — HAZARDOUS WASTE AREA
- AG — AGRICULTURAL LAND
- HABITAT — FISH & WILDLIFE HABITAT
- FLOOD PLAIN — FLOOD PLAIN
- OHW — ORDINARY HIGH WATER (OHW)
- STORM WATER
- USDA FOREST SERVICE LANDS
- WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

- ARCH — ARCHEOLOGICAL BOUNDARY
- HISTORIC DIST — HISTORIC DISTRICT BOUNDARY
- HISTORIC — HISTORIC AREA
- (H) HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOGY

EXISTING FEATURES

- ROAD EDGE PAVEMENT
- ROAD EDGE GRAVEL
- DRIVEWAY EDGE
- DITCH
- FOUNDATION
- FENCE (EXISTING)
- FENCE WOOD POST
- FENCE STEEL POST
- GARDEN
- ROAD GUARDRAIL
- RAILROAD TRACKS
- CULVERT (EXISTING)
- STONE WALL
- WALL
- WOOD LINE
- BRUSH LINE
- HEDGE
- BODY OF WATER EDGE
- LEDGE EXPOSED

PROJECT NAME:	ORLEANS VILLAGE
PROJECT NUMBER:	BF 0310(7)
FILE NAME: sl3j084typ.dgn	PLOT DATE: 28-JUL-2015
PROJECT LEADER: D. BONNEAU	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: ------
LEGEND SHEET	SHEET 4 OF 22

BEGIN APPROACH
STA 39+25.00

BEGIN PROJECT
STA 40+00.00

BENCH MARK
CGS W2
ELEV. = 739.69

CL BEARING #1
STA 41+31.00

BEGIN BRIDGE
STA 41+29.91

PI (CURVE 1)
STA 41+68.54

CL BEARING #2
STA 41+81.00

END BRIDGE
STA 41+82.19

PI (CURVE 1)
STA 81+88.33

POB
STA 39+25.00

PC
STA 40+00.00

TH-1 (VT 58)
MAIN ST.
TO IRASBURG

N34° 20′ 40″E

39+25

40+00

41+00

42+00

R 100′

R 100′

R 31′

R 35′

R 35′

R 35′

R 20′

R 10′

62°
(TYP)

N53° 51′ 42.30″W

52+00

50+00

61+00

61+50

43+00

44+00

81+00

82+00

83+00

CONCEPTUAL
LIMITS OF
CONSTRUCTION

VT58 STA 41+25.00 =
CHANNEL STA 51+00.00
DELTA = 62.00° FROM
BRIDGE MAJOR CHORD

VT58 STA 42+49.72
=WATER ST STA 60+00.00
=MAPLE ST STA 80+00.00

END PROJECT
STA 60+75.00

END APPROACH
STA 61+25.00

POB
STA 61+50.00

PT
STA 43+07.12

END PROJECT
STA 43+50.00

END APPROACH
STA 44+00.00

POE
STA 44+25.00

S87° 00′ 00″E

STA 81+47.81
PC

STA 82+28.16
PT

END APPROACH
STA 82+75.00

STA 83+00.00
POE

END PROJECT
STA 82+25.00

BENCH MARK
TOP OF BOLT
AT BURY 7-0
ELEV. = 742.76

TH-2
MAPLE ST

VT STATE PLANE GRID

N

BARTON RIVER
FLOW

NORTH ST

WATER ST

MEMORIAL ST

ONE WAY

CHURCH ST

TO BARTON

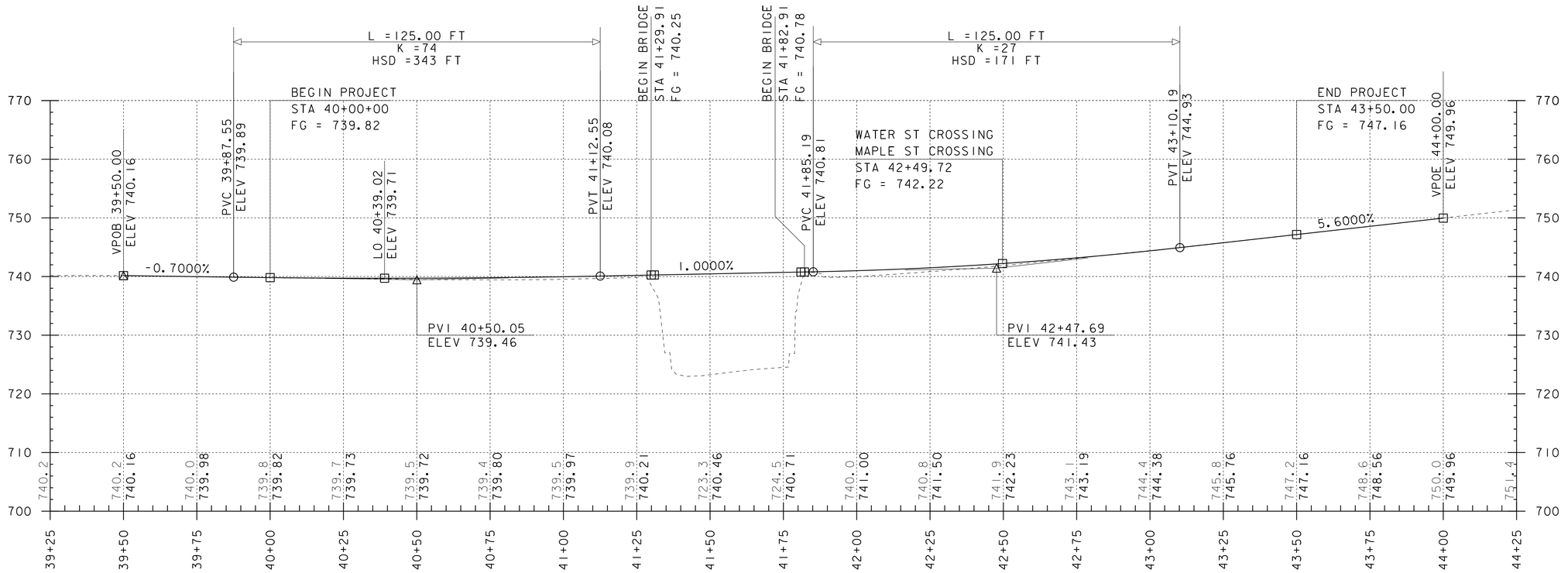
SCALE 1" = 20′-0"
20 0 20

VT ROUTE 58	MAPLE ST
CURVE (1)	CURVE (1)
DELTA = 58° 39′ 20″	DELTA = 18° 24′ 57″
D = 19° 05′ 55″	D = 22° 55′ 06″
R = 300.00′	R = 250.00′
T = 168.54′	T = 40.53′
L = 307.12′	L = 80.35′
E = 44.10′	E = 3.26′

PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084bdr.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
LAYOUT SHEET

PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 5 OF 22



VT58 (TH-1) PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 10'-0"

NOTE:

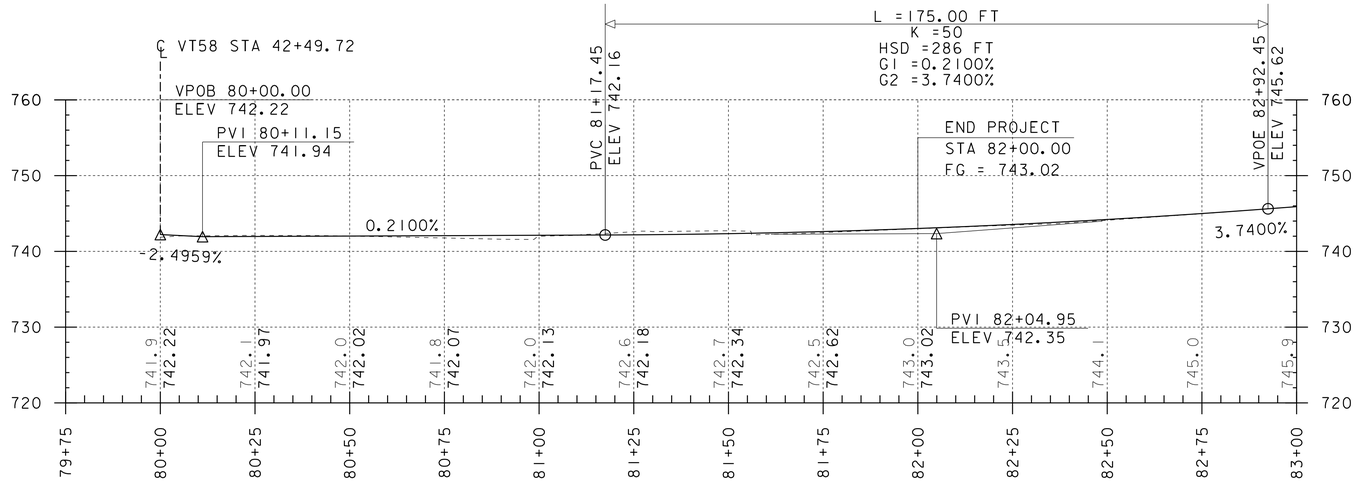
ELEVATIONS SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.

ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADES ALONG PROPOSED CENTERLINE.

PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

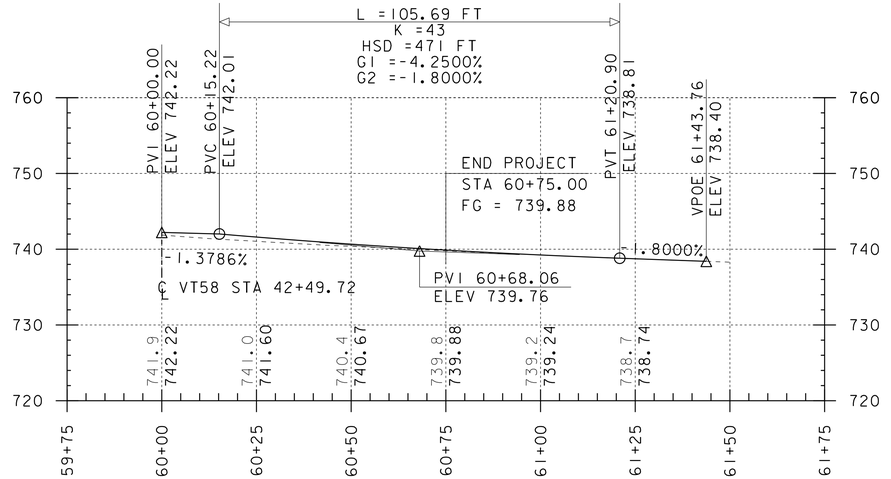
FILE NAME: 13j084/sl3j084profile.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
VT58 (TH-1) PROFILE

PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 6 OF 22



MAPLE STREET PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 10'-0"



WATER STREET PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
VERTICAL SCALE: 1" = 10'-0"

NOTE:

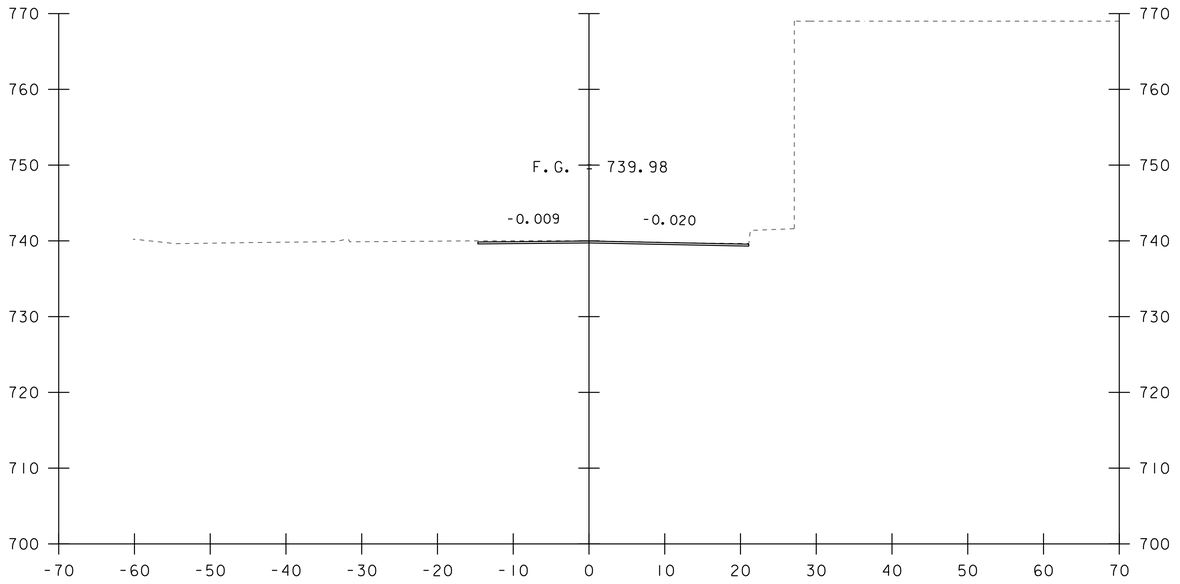
ELEVATIONS SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.

ELEVATIONS SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADES ALONG PROPOSED CENTERLINE.

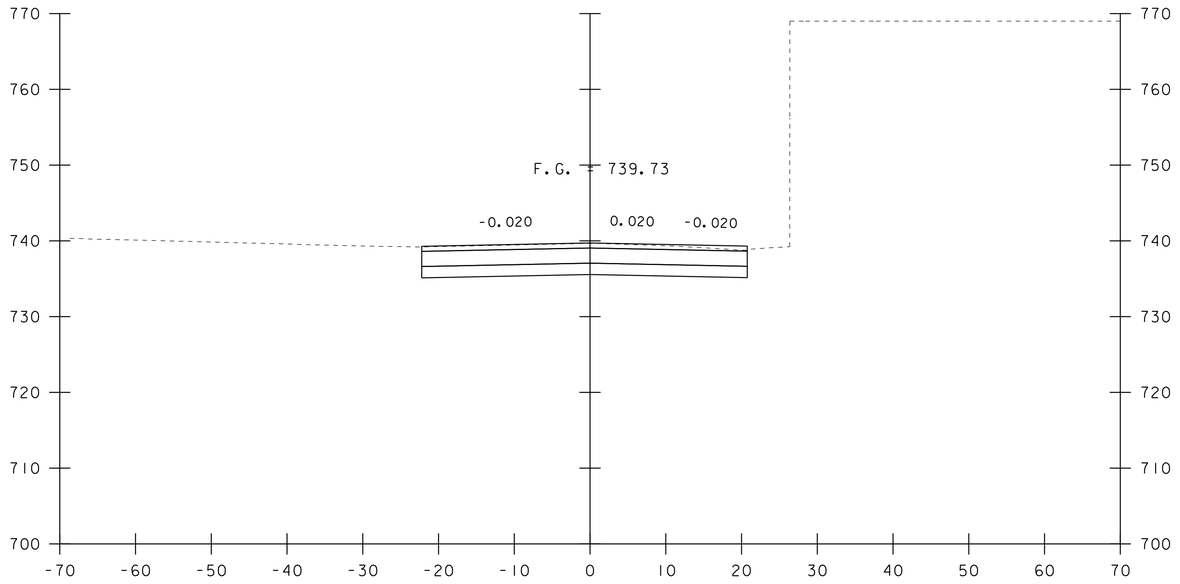
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: 13J084/sl3J084profile.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
RIVER ST & MAPLE ST PROFILES

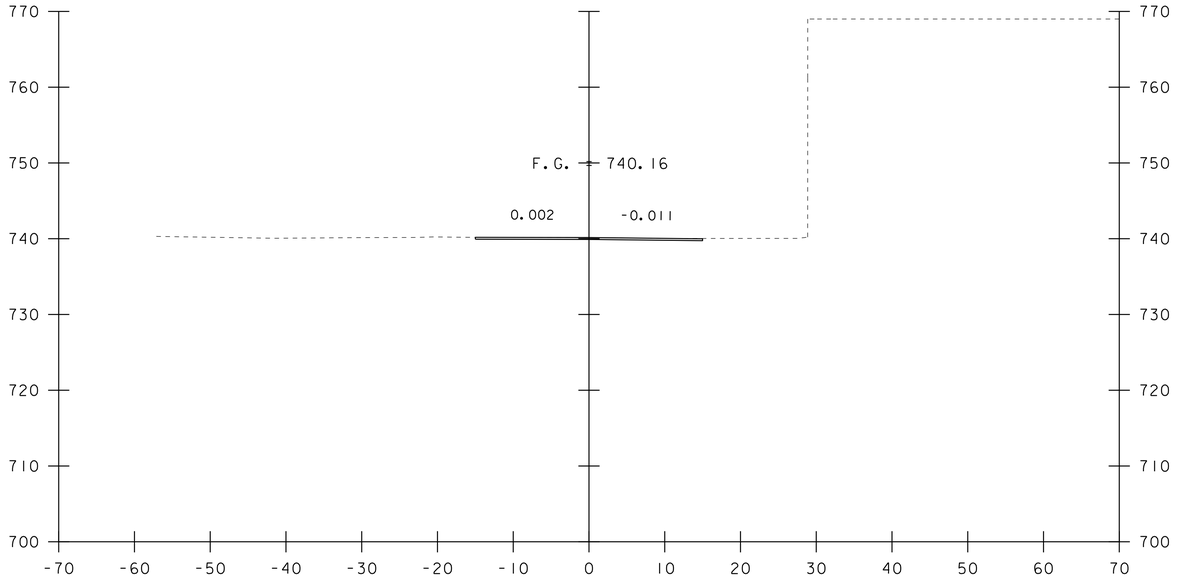
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------



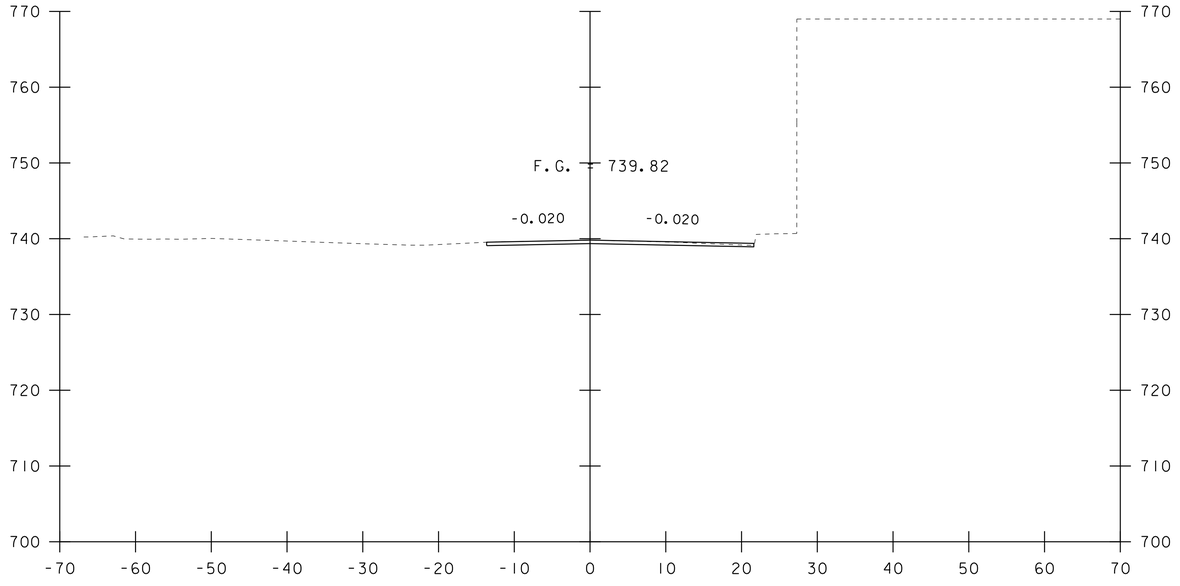
39+75



40+25



39+50



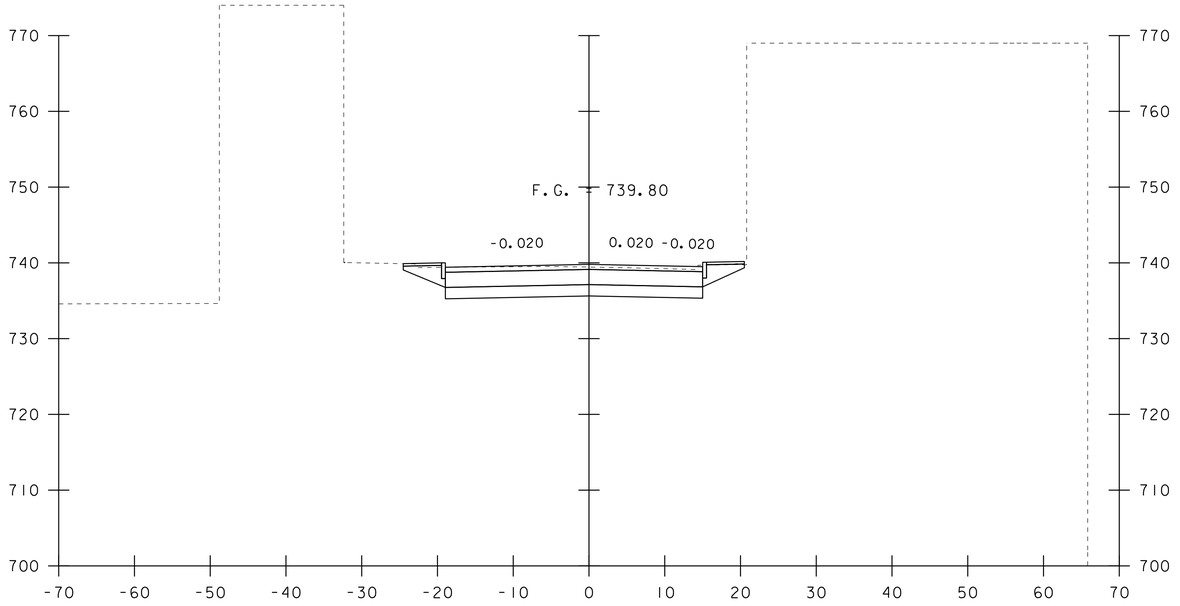
40+00

STA. 39+50 TO STA. 40+25

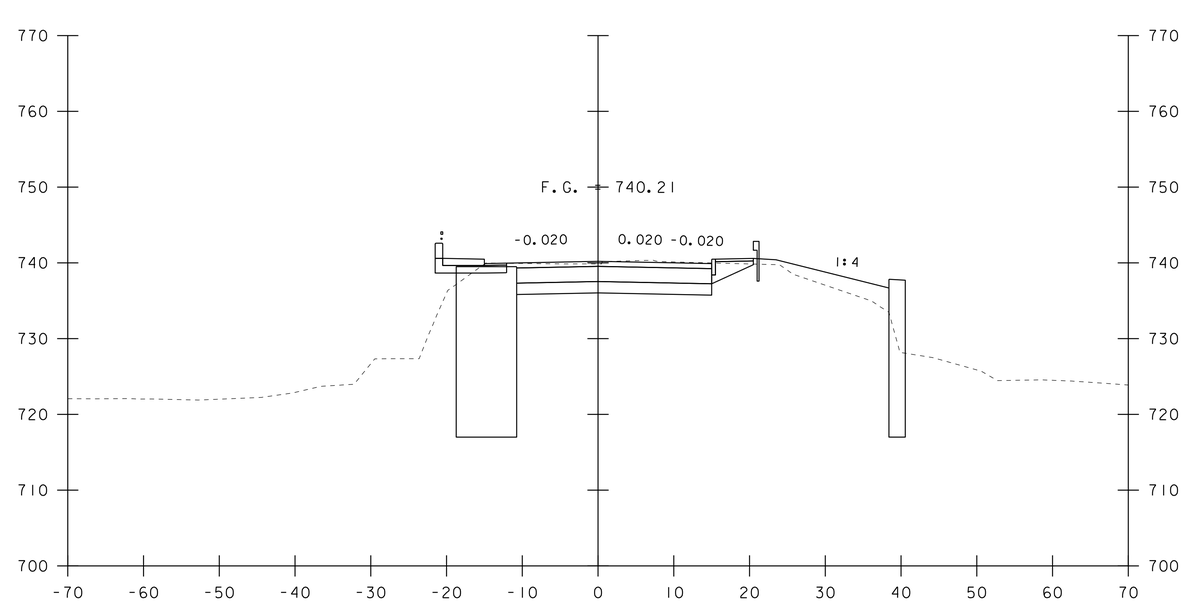
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
VT58 CROSS SECTIONS 1

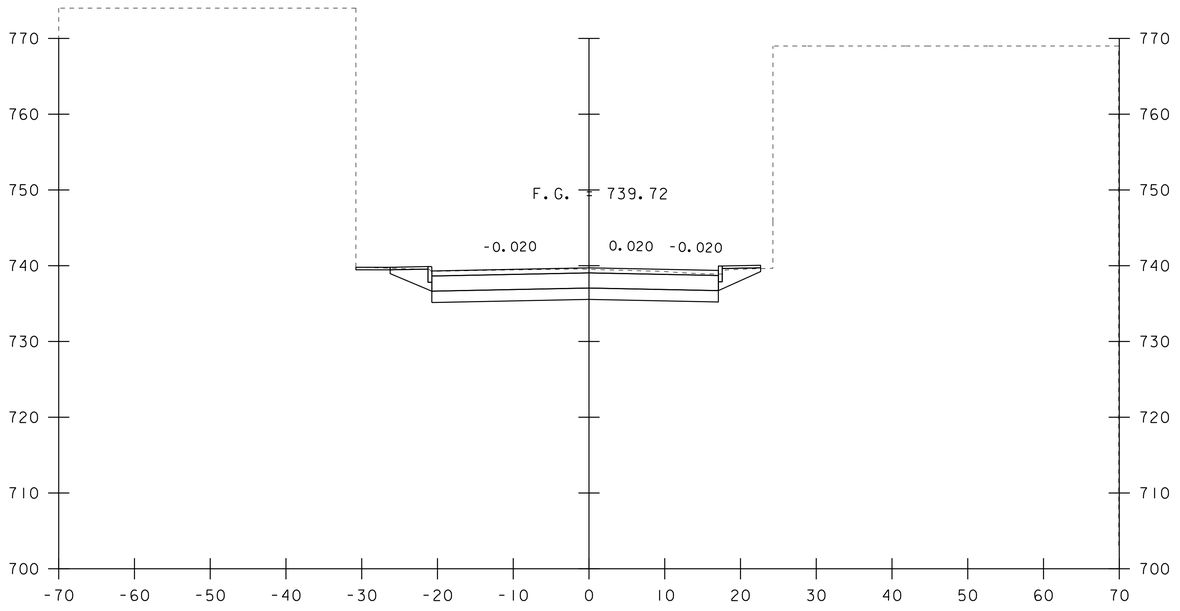
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 8 OF 22



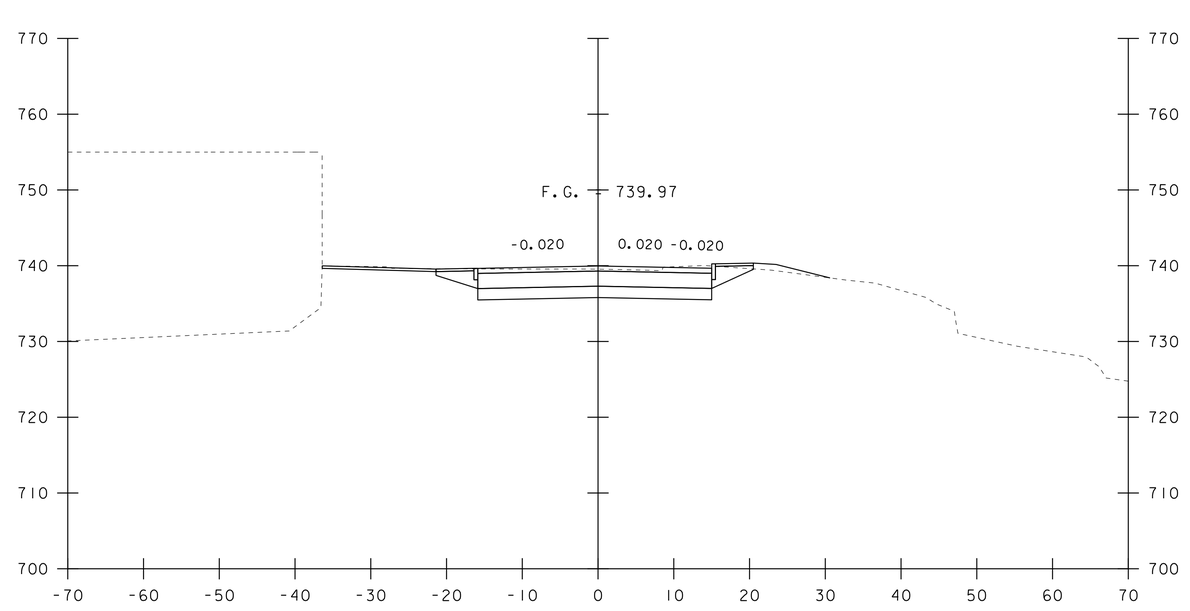
40+75



41+25



40+50



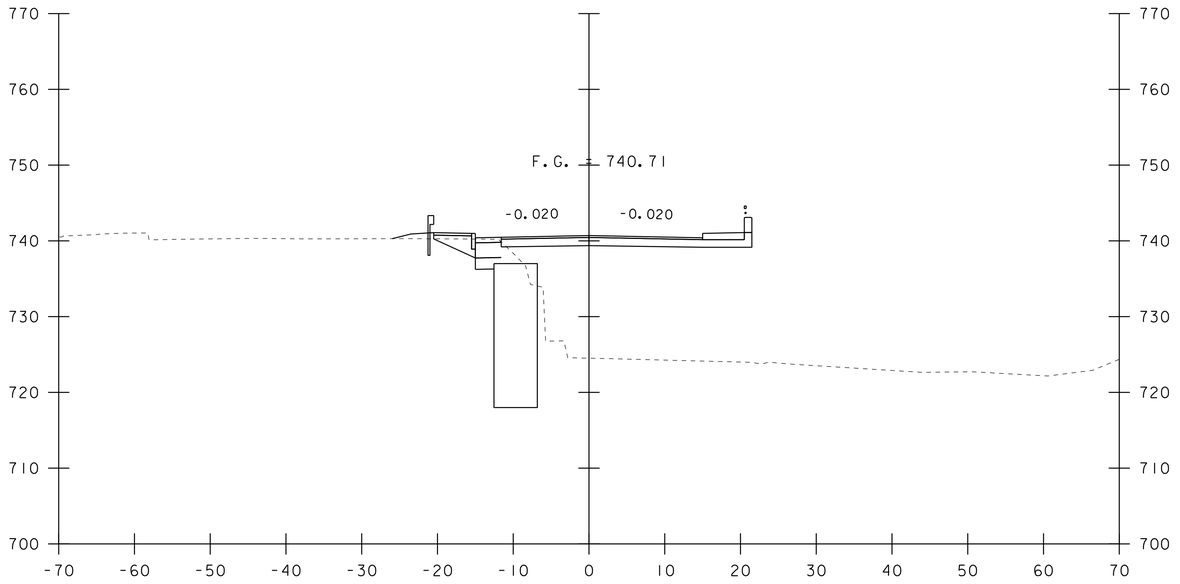
41+00

STA. 40+50 TO STA. 41+25

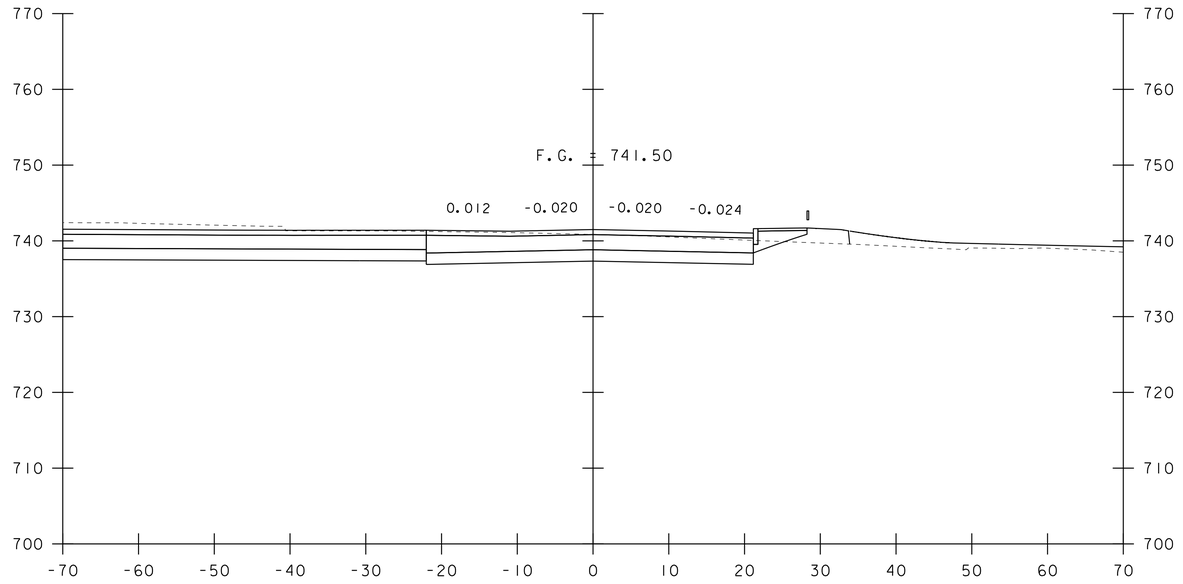
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
VT58 CROSS SECTIONS 2

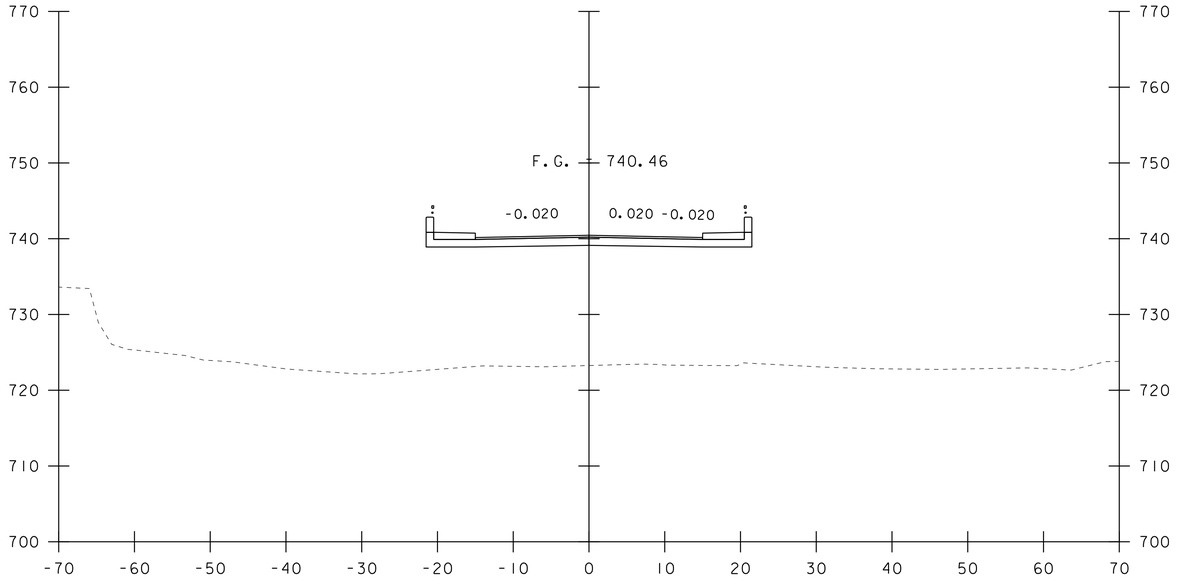
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 9 OF 22



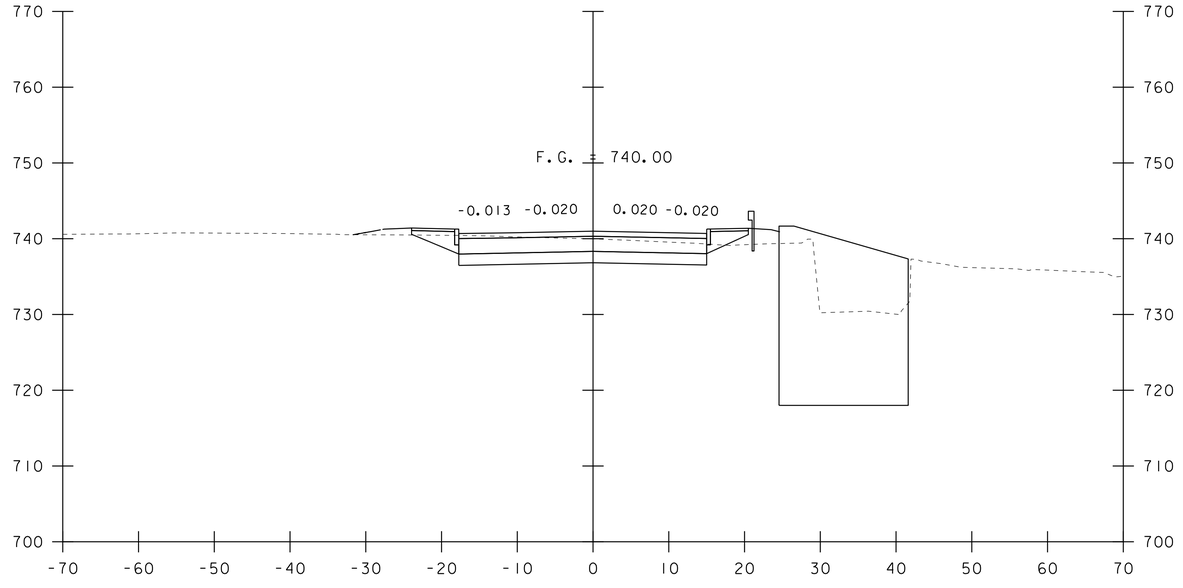
41+75



42+25



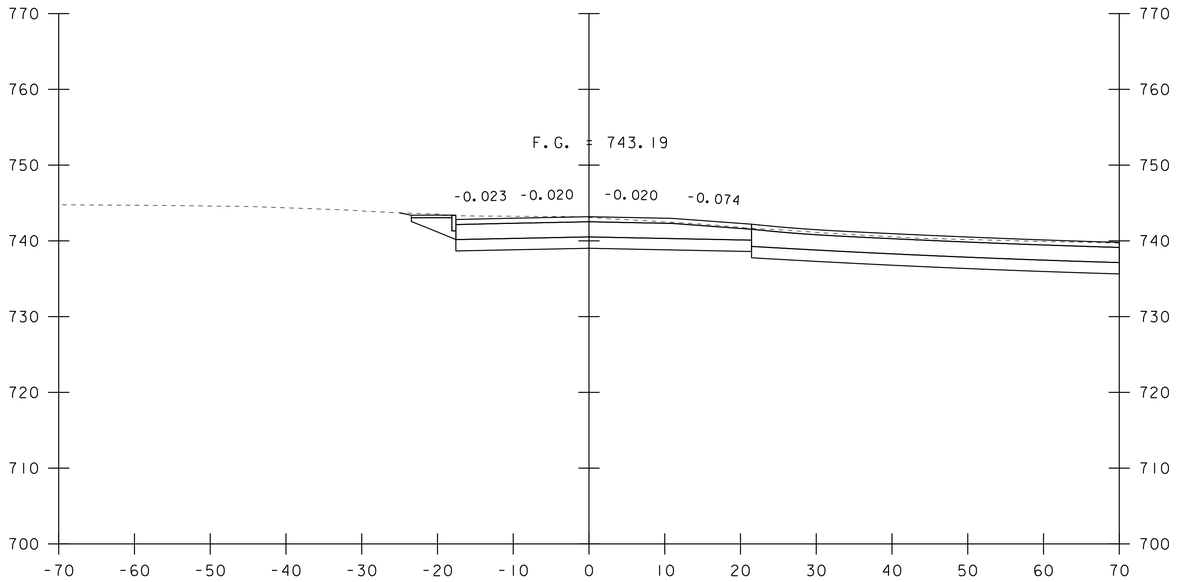
41+50



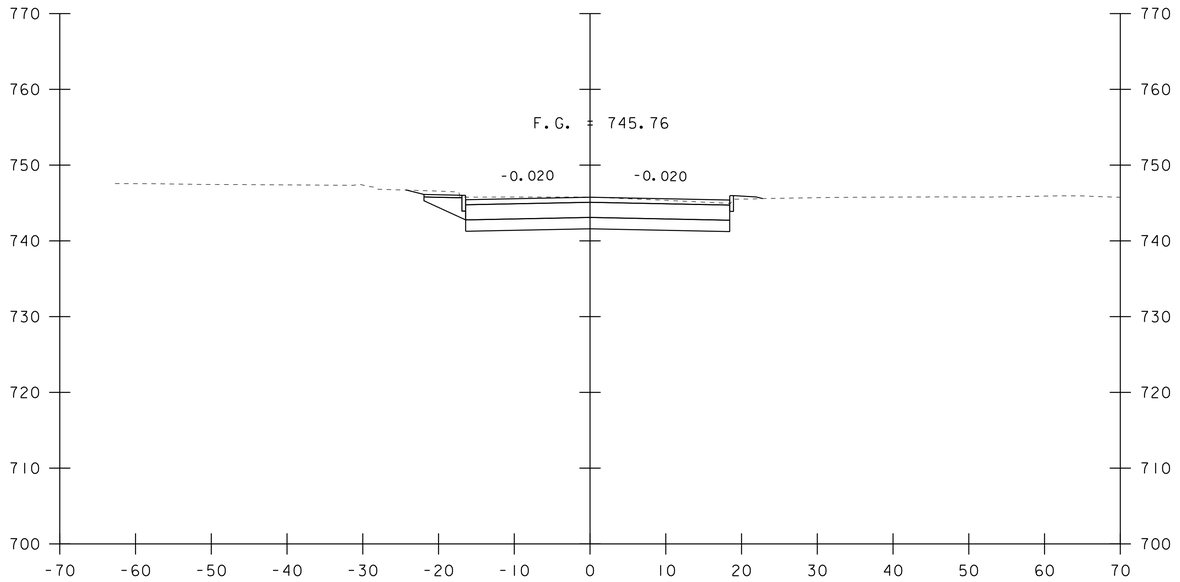
42+00

STA. 41+50 TO STA. 42+25

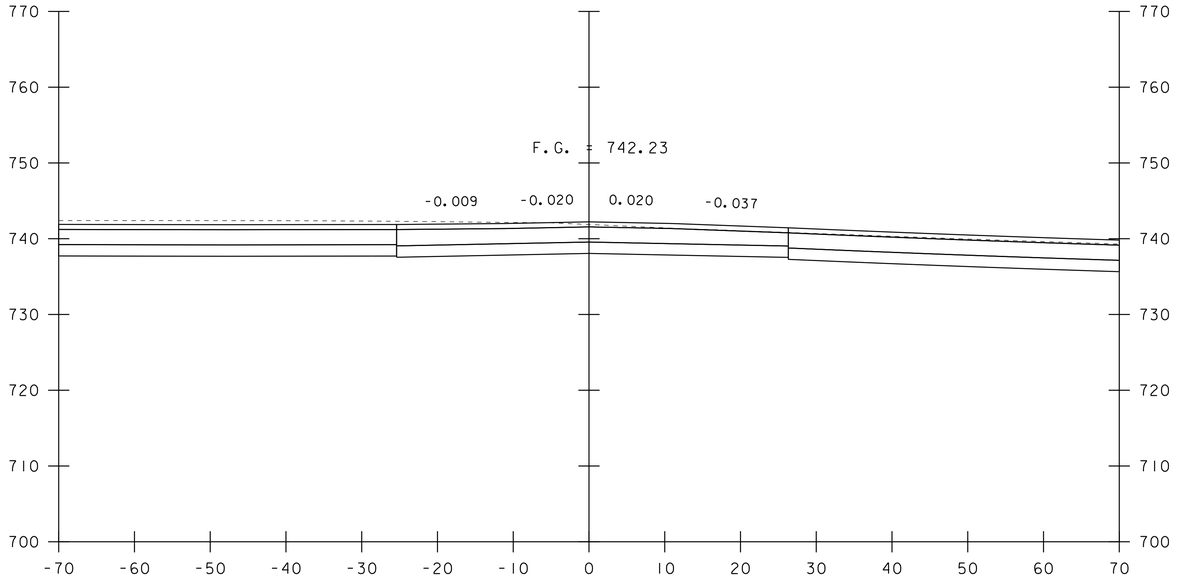
PROJECT NAME:	ORLEANS VILLAGE
PROJECT NUMBER:	BF 0310(7)
FILE NAME: sl3j084xs.dgn	PLOT DATE: 28-JUL-2015
PROJECT LEADER: D. BONNEAU	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: ------
VT58 CROSS SECTIONS 3	SHEET 10 OF 22



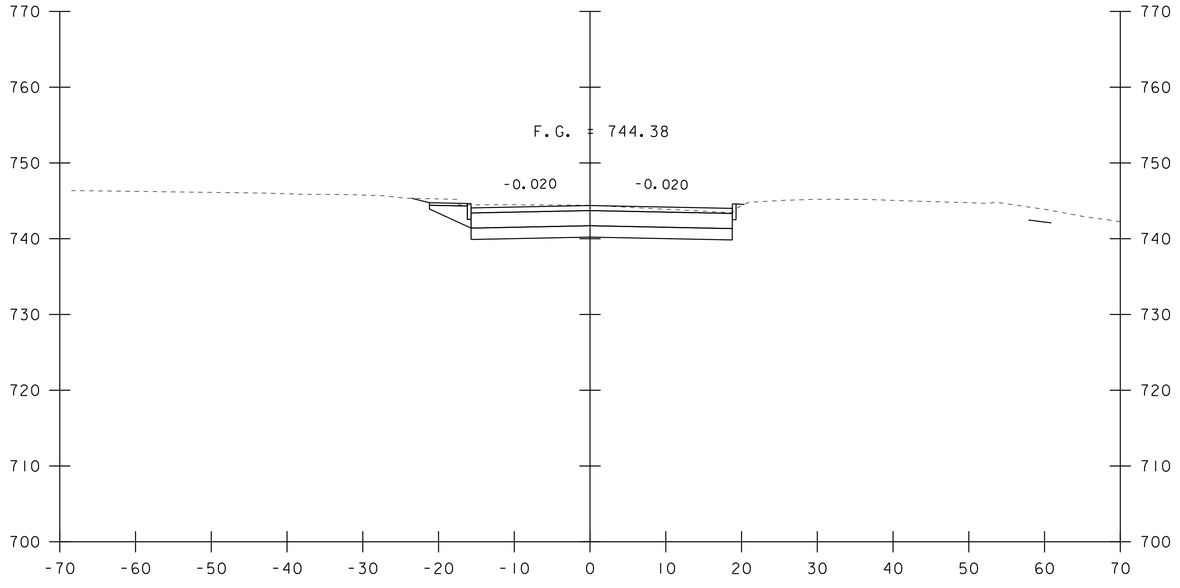
42+75



43+25



42+50



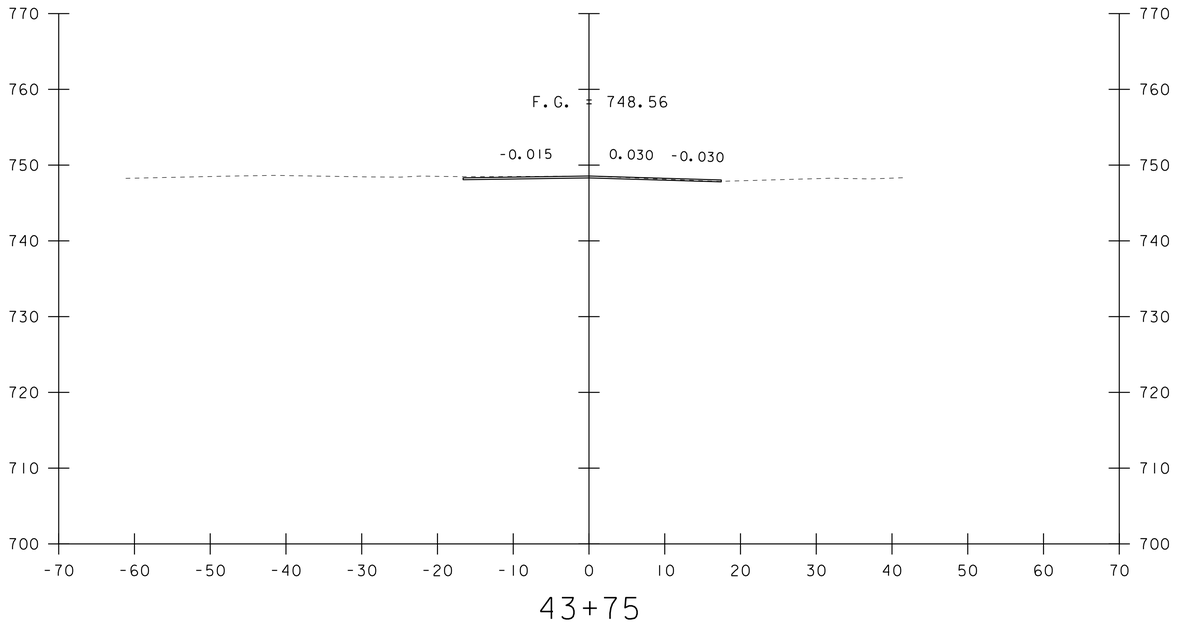
43+00

STA. 42+50 TO STA. 43+25

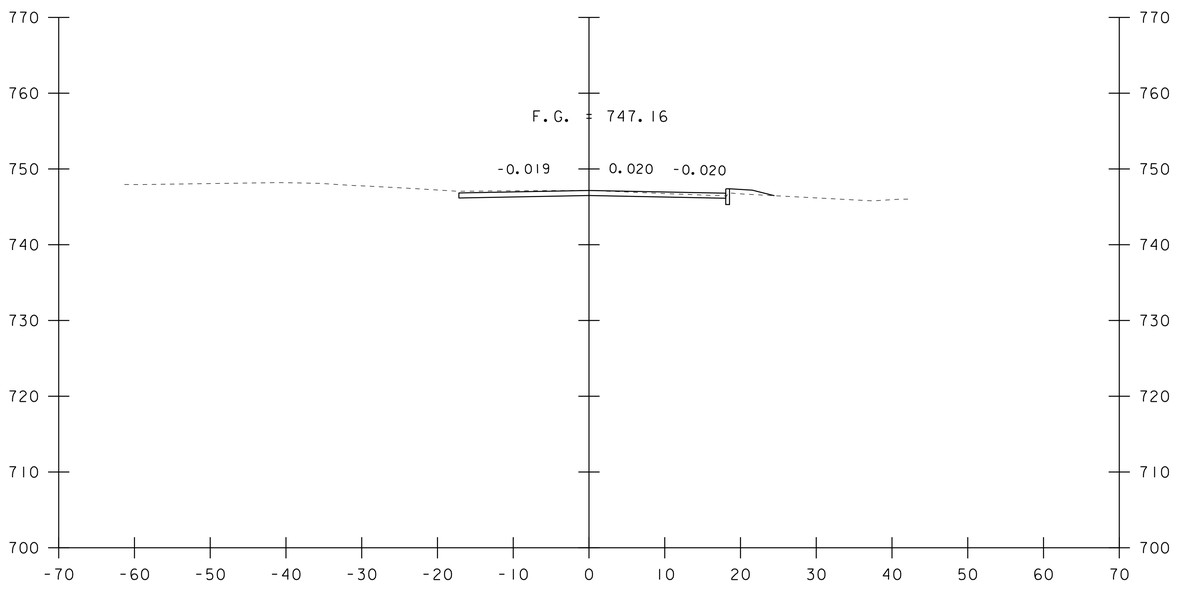
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
VT58 CROSS SECTIONS 4

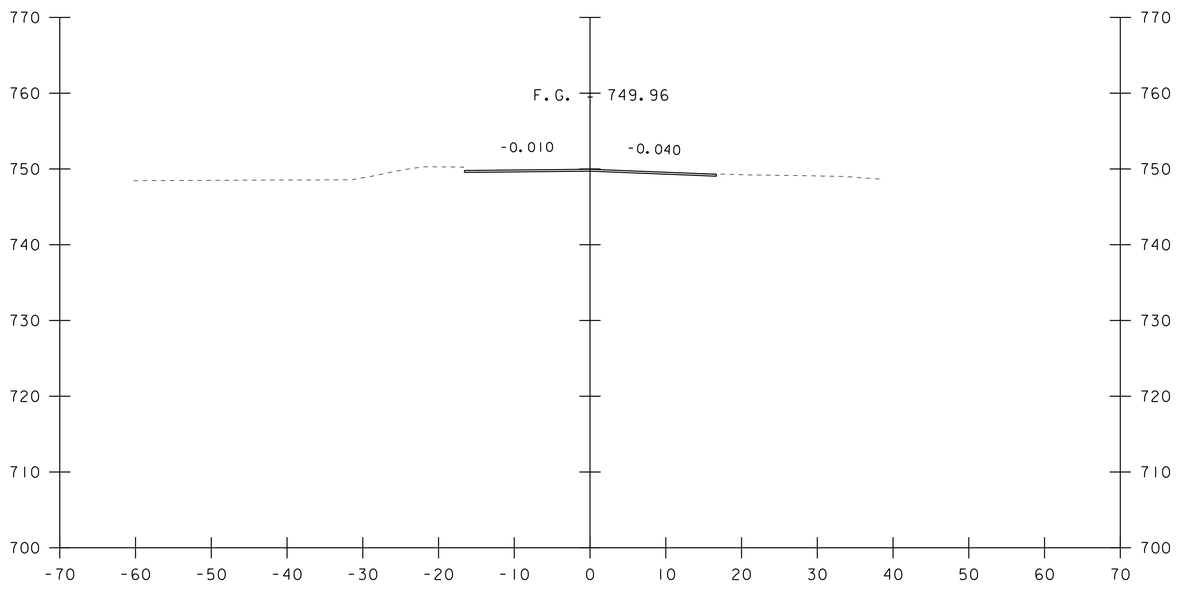
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 11 OF 22



43+75



43+50



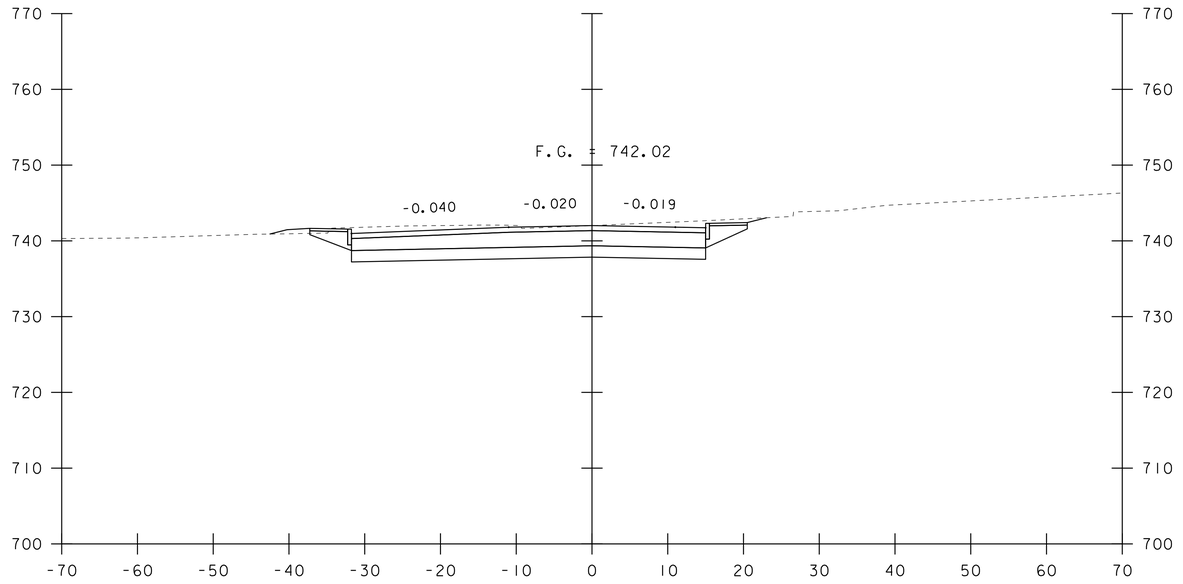
44+00

STA. 43+50 TO STA. 44+00

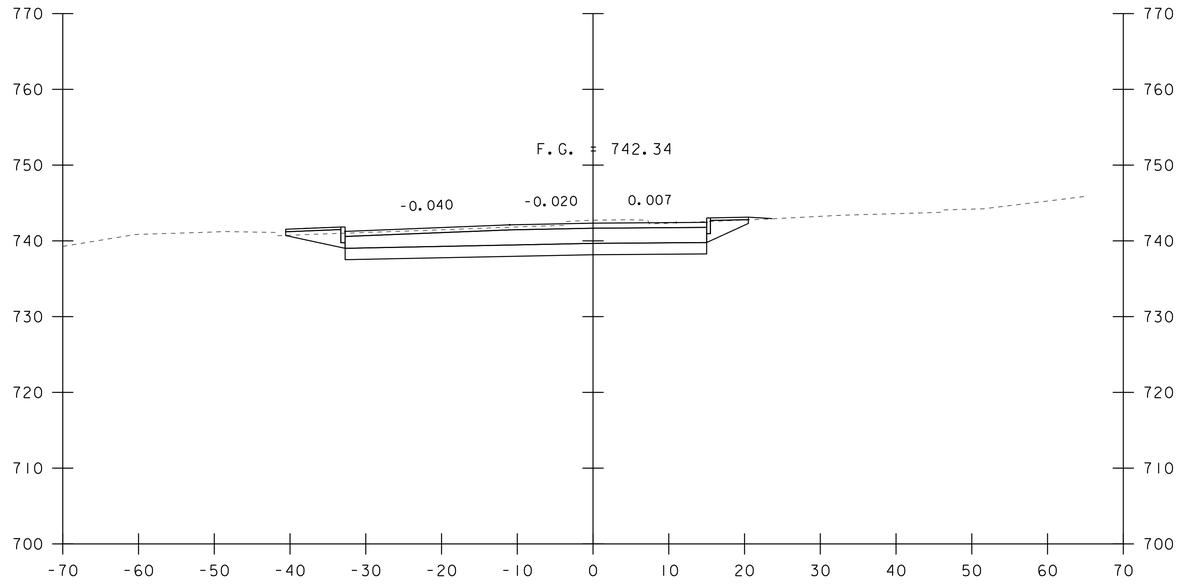
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
VT58 CROSS SECTIONS 5

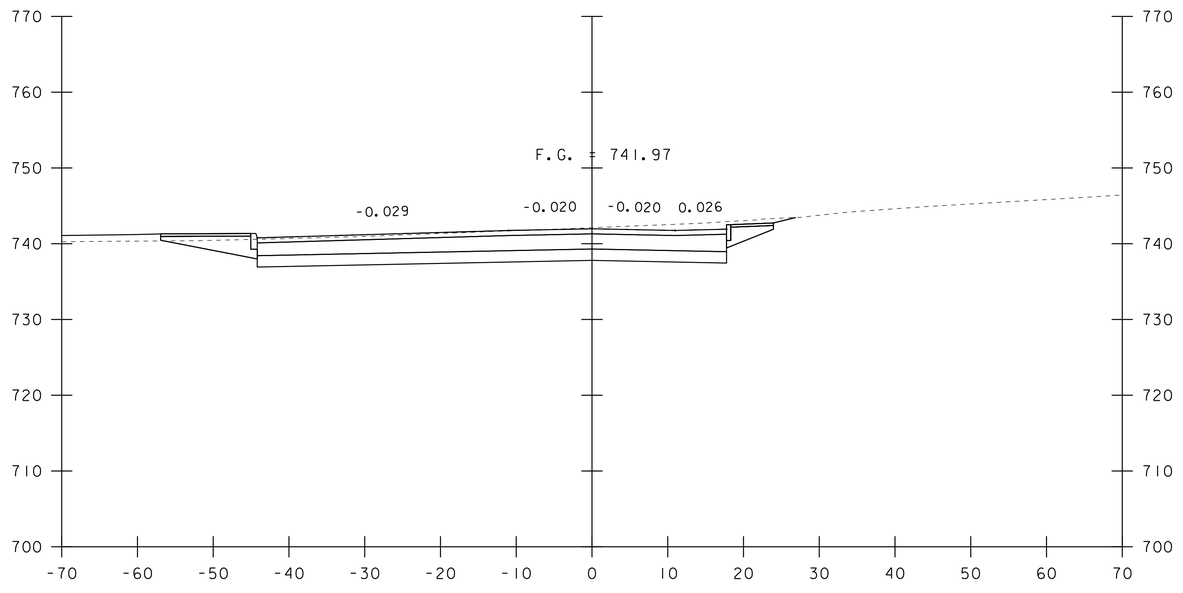
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 12 OF 22



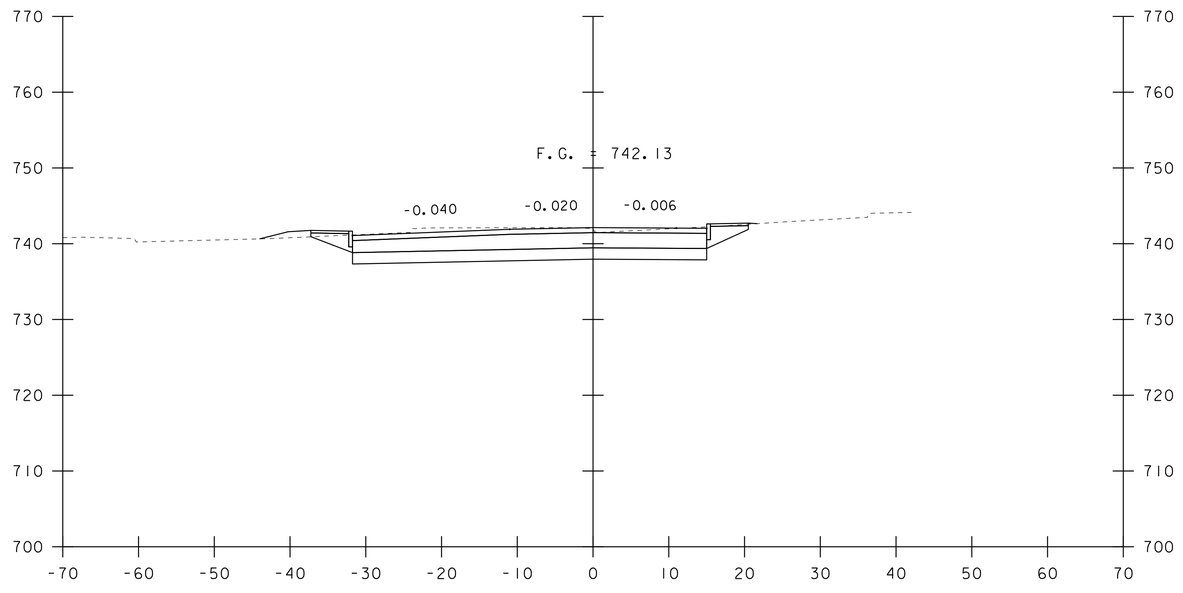
80+50



81+50



80+25



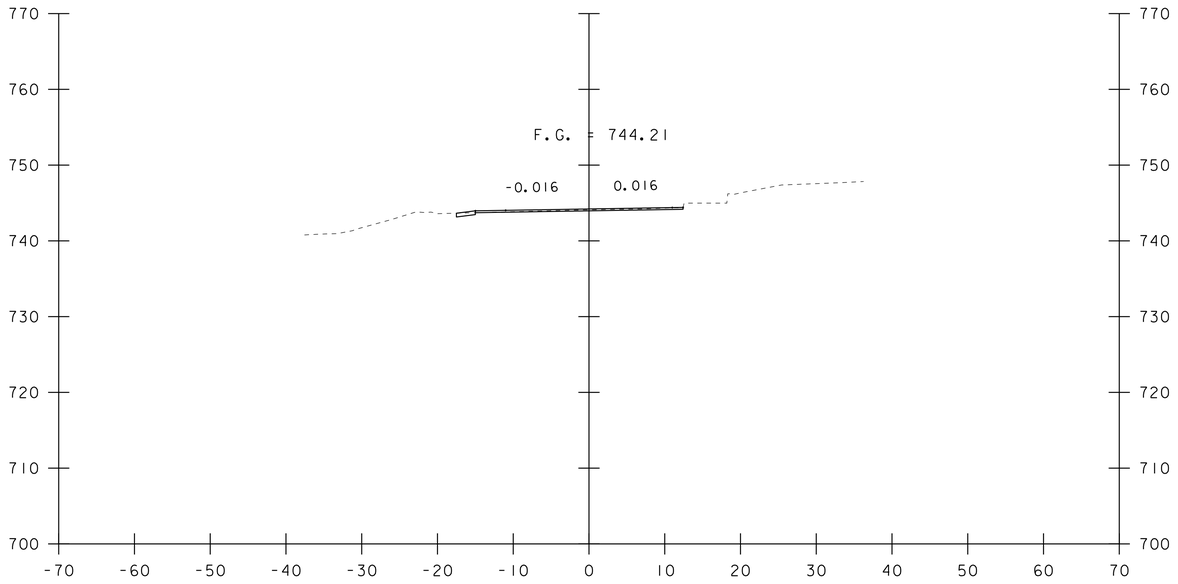
81+00

STA. 80+25 TO STA. 81+50

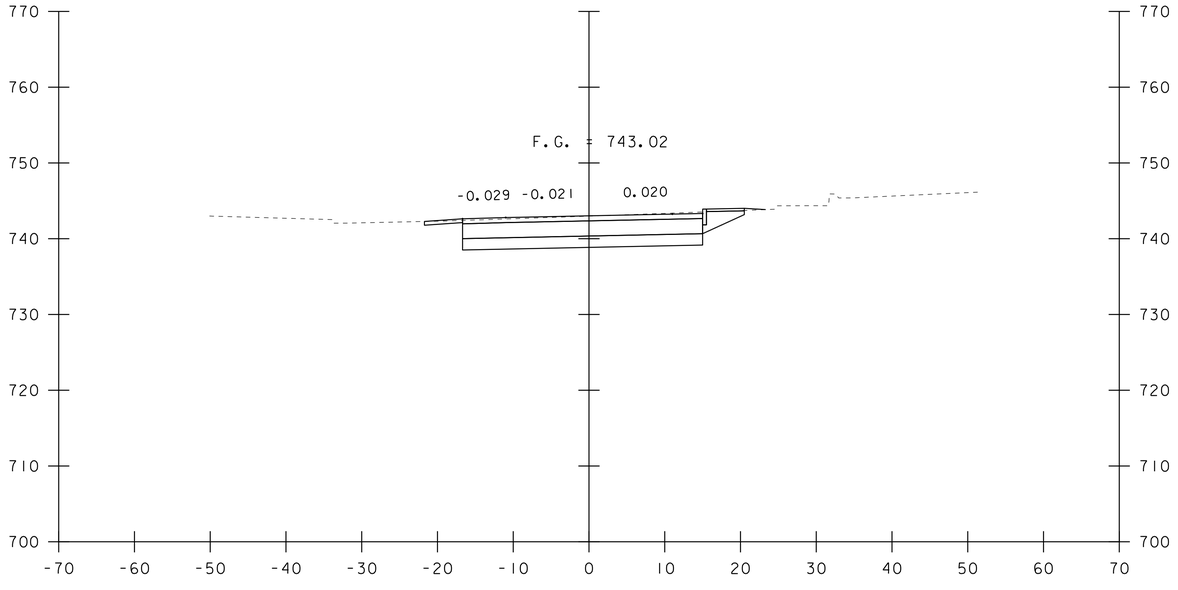
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
MAPLE ST CROSS SECTIONS 1

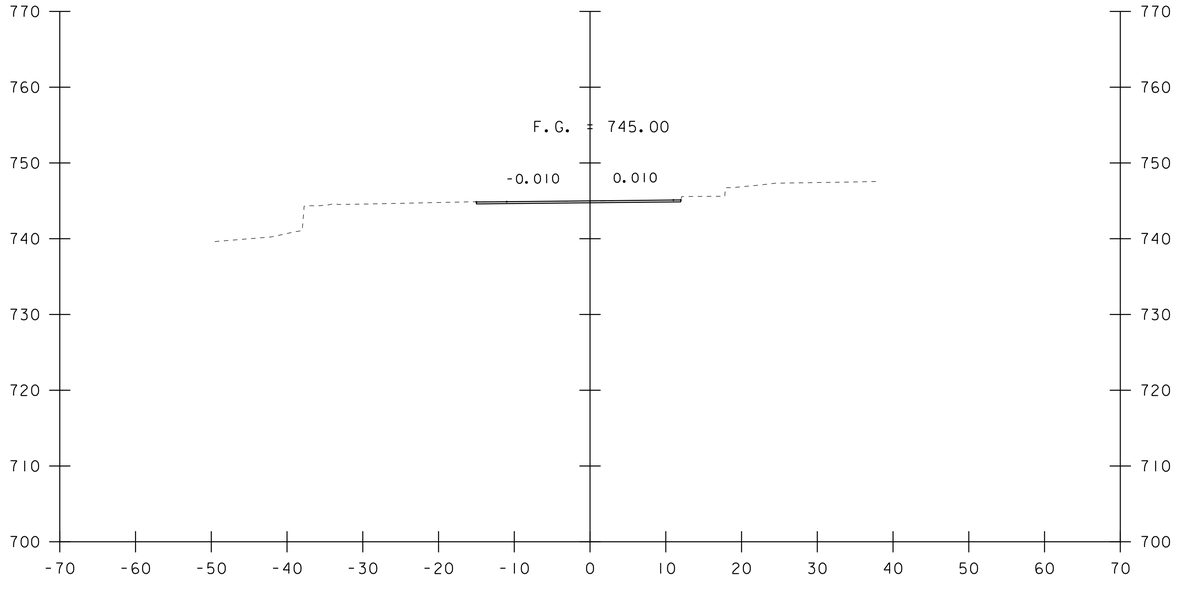
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 13 OF 22



82+50



82+00



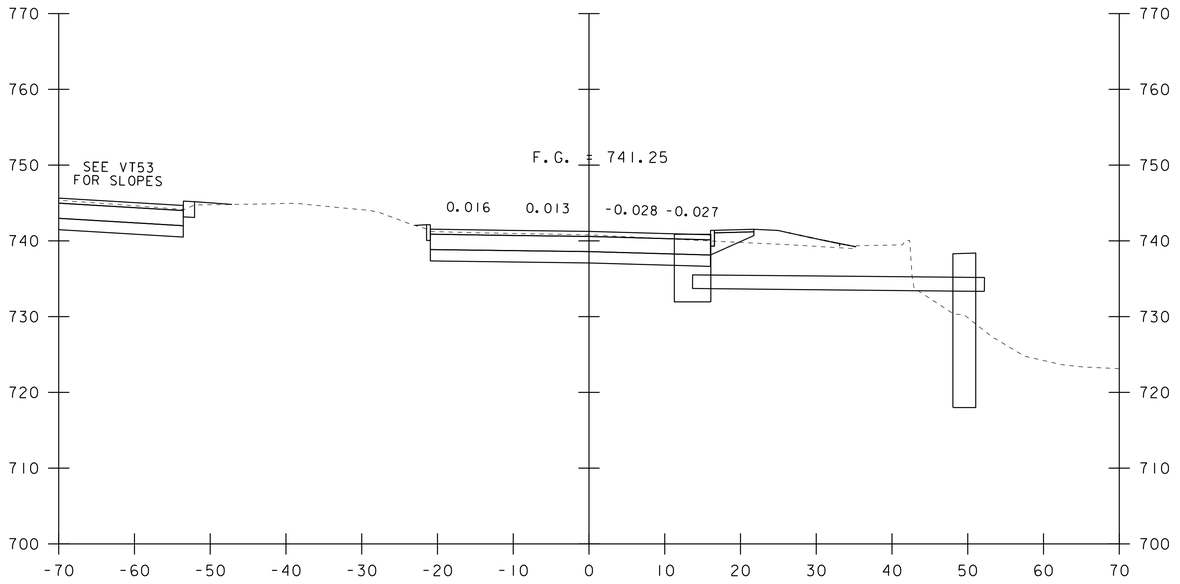
82+75

STA. 82+00 TO STA. 82+75

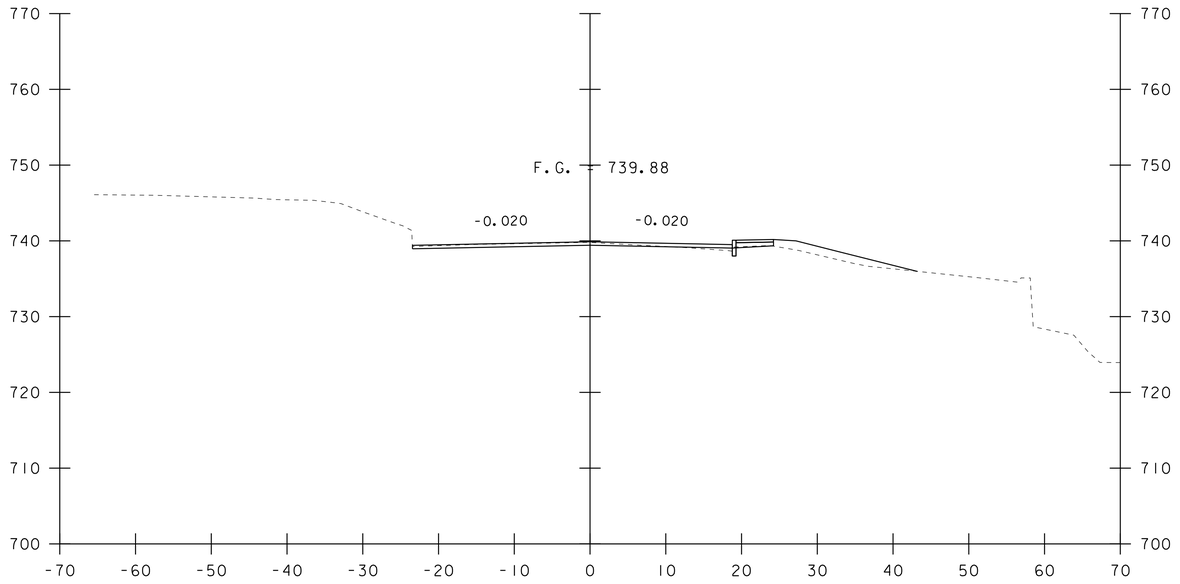
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
MAPLE ST CROSS SECTIONS 2

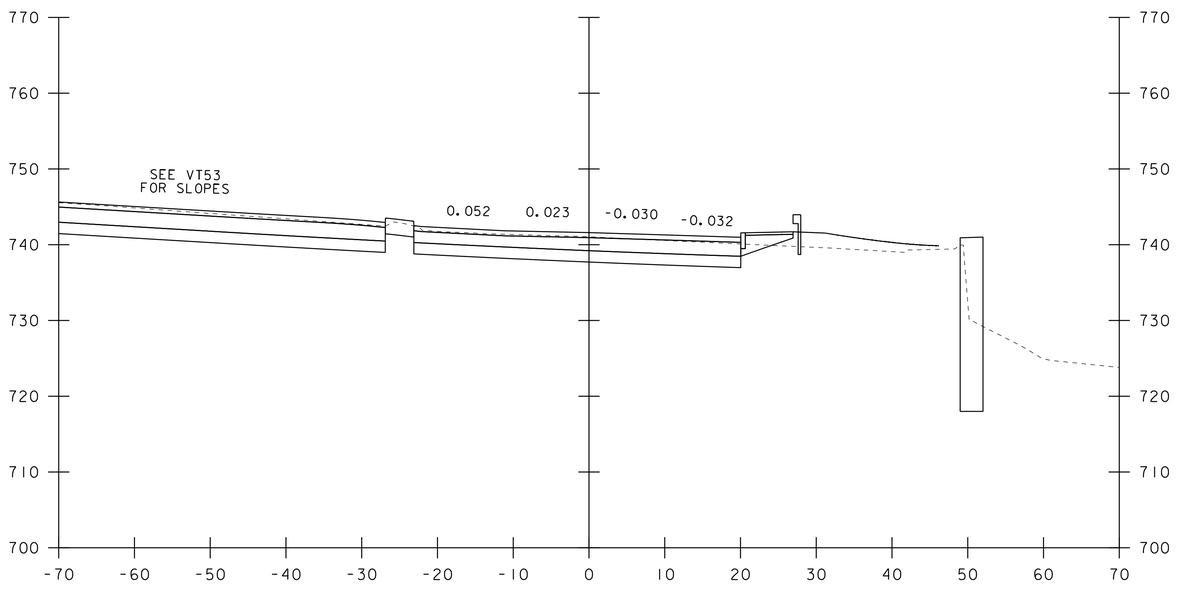
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 14 OF 22



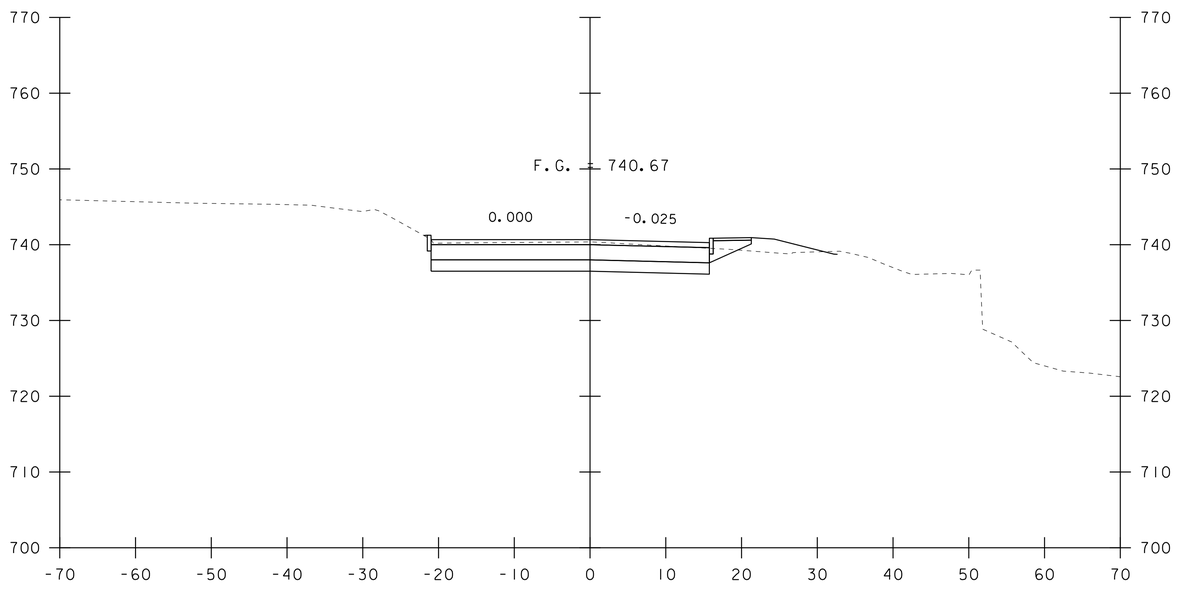
60+34



60+75



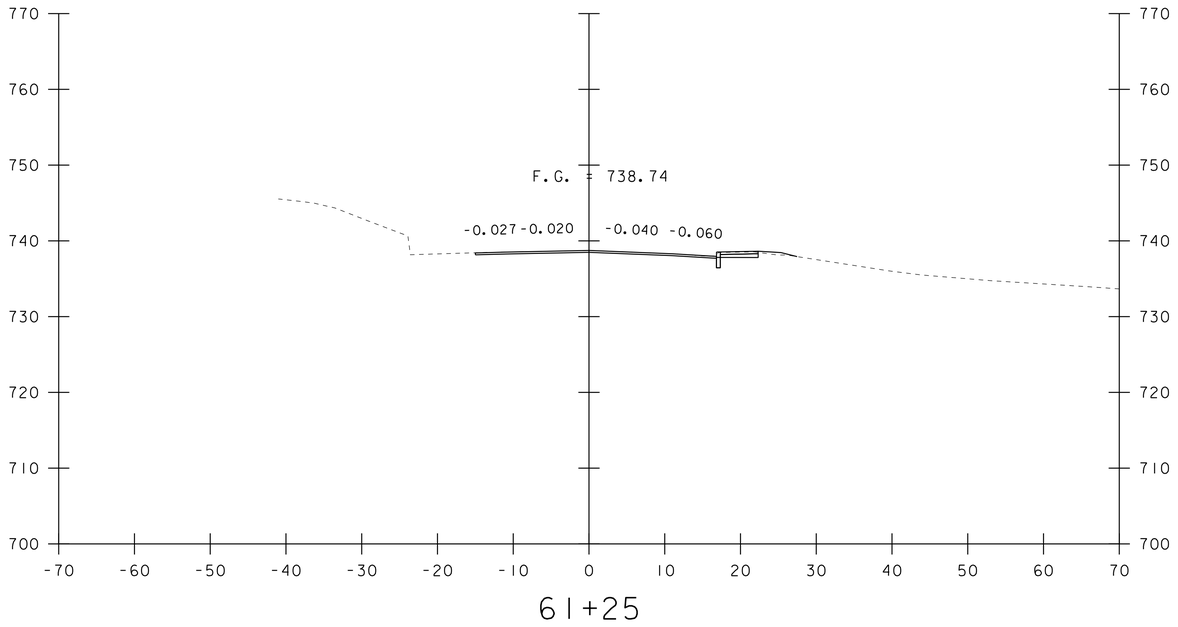
60+25



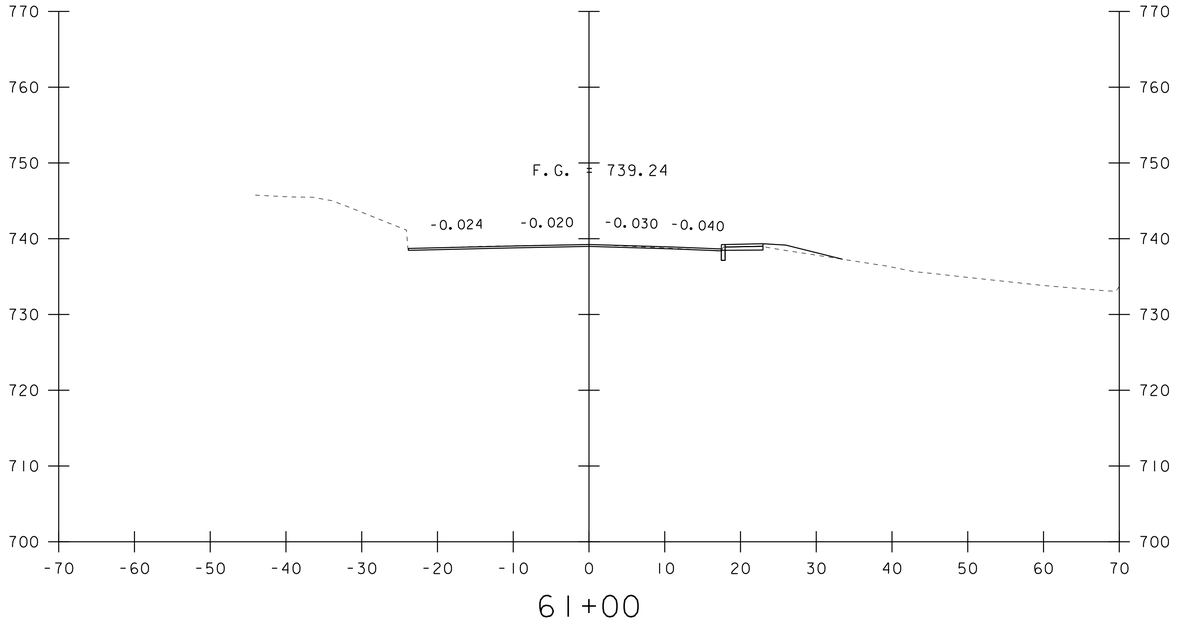
60+50

STA. 60+25 TO STA. 60+75

PROJECT NAME:	ORLEANS VILLAGE
PROJECT NUMBER:	BF 0310(7)
FILE NAME: sl3j084xs.dgn	PLOT DATE: 28-JUL-2015
PROJECT LEADER: D. BONNEAU	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: ------
WATER ST CROSS SECTIONS I	SHEET 15 OF 22



61+25



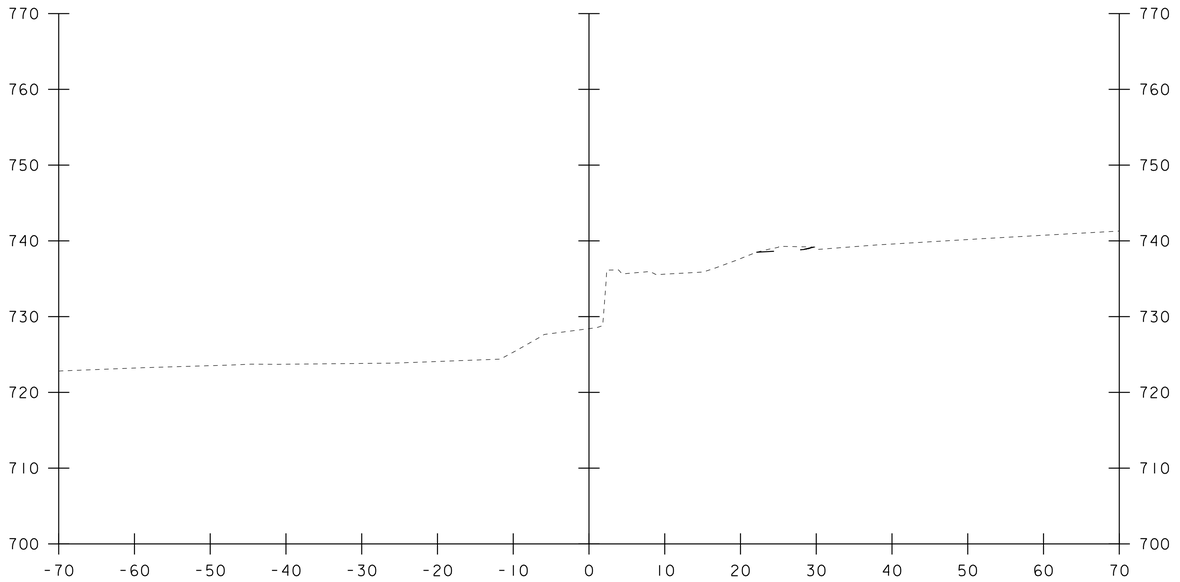
61+00

STA. 61+00 TO STA. 61+25

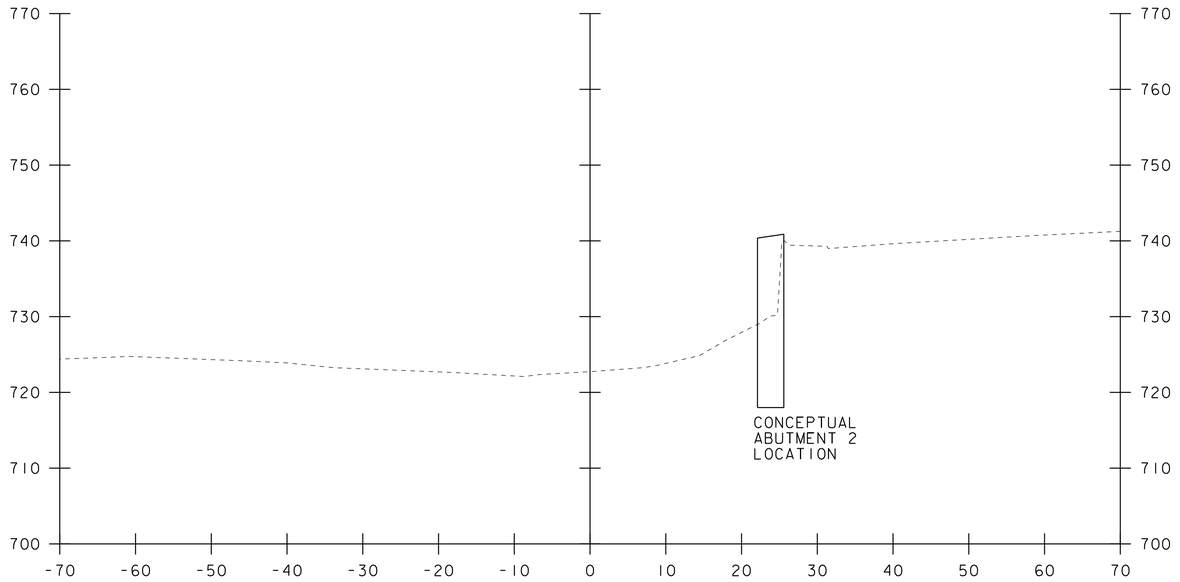
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
WATER ST CROSS SECTIONS 1

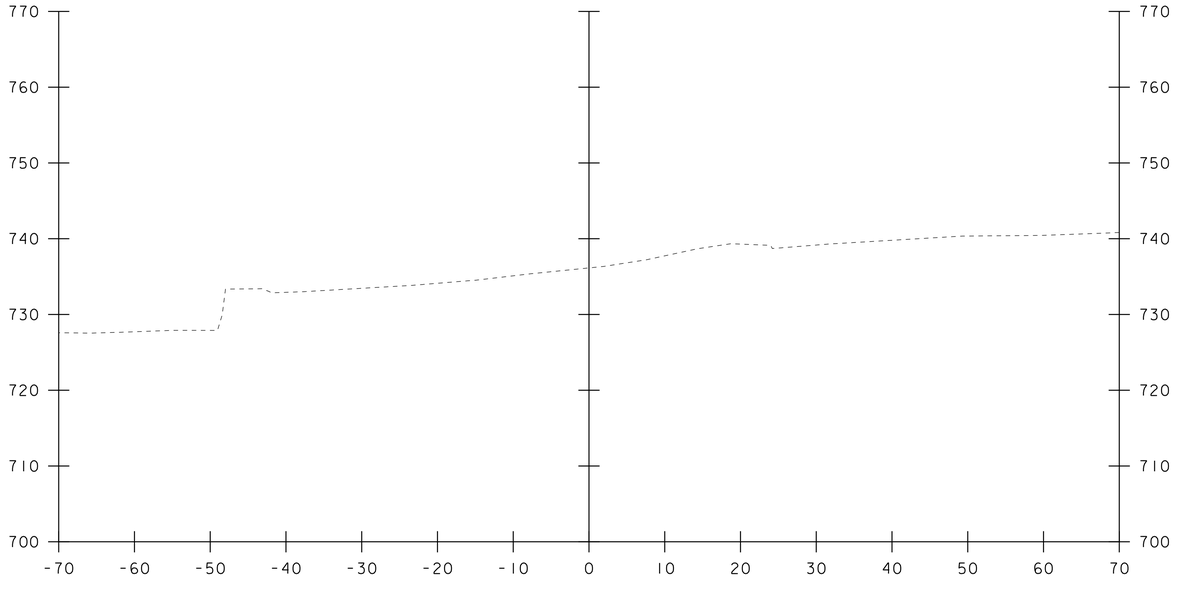
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 16 OF 22



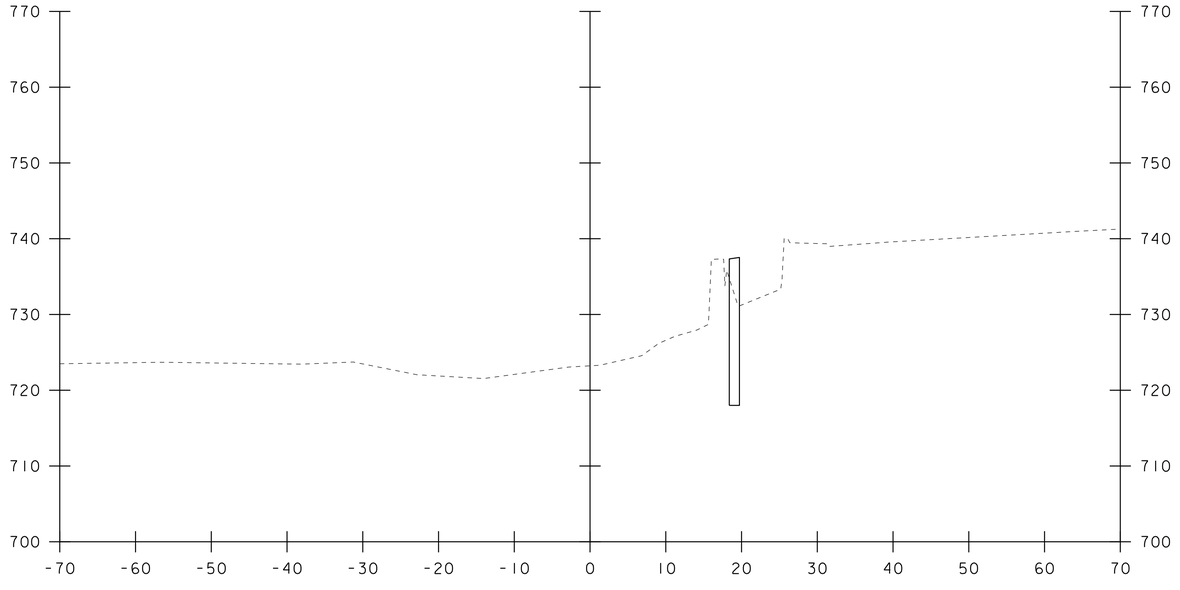
50+25



50+50



50+00



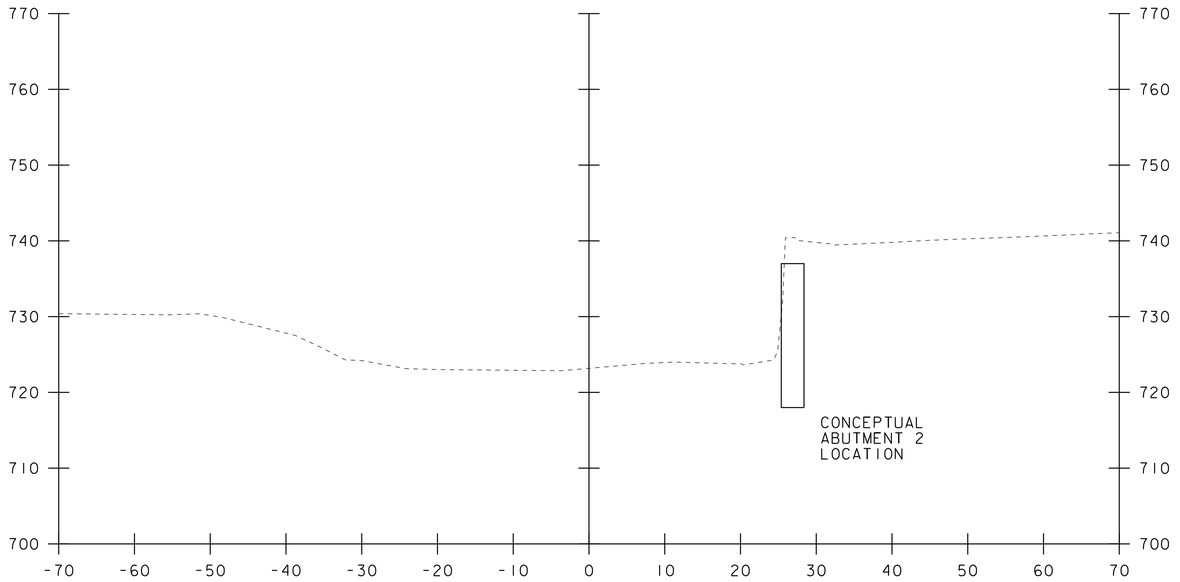
50+40

STA. 50+00 TO STA. 50+50

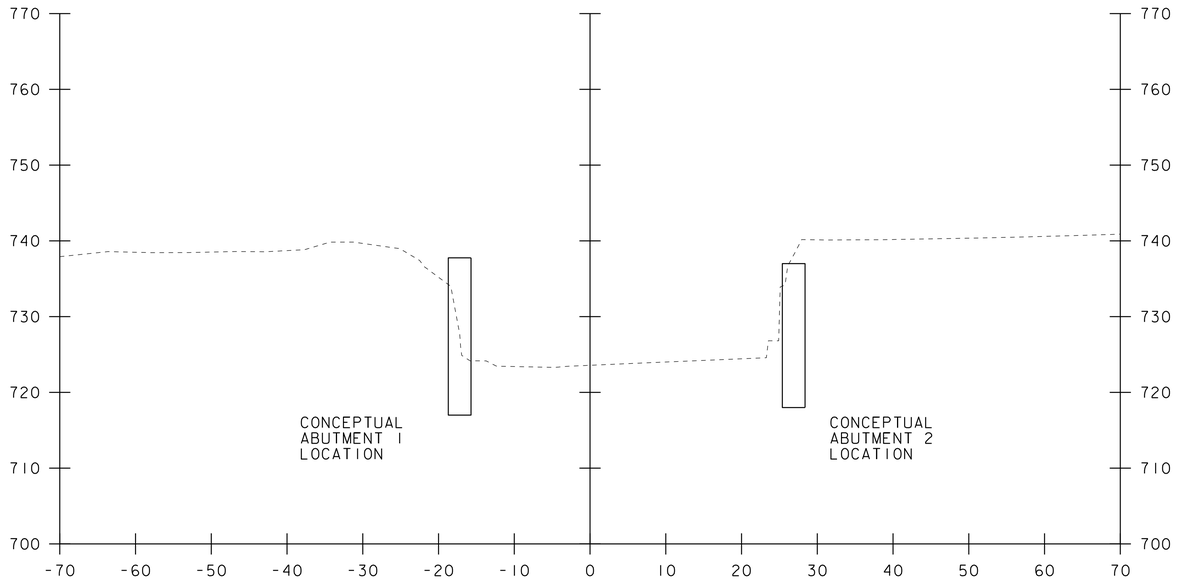
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
CHANNEL CROSS SECTIONS 1

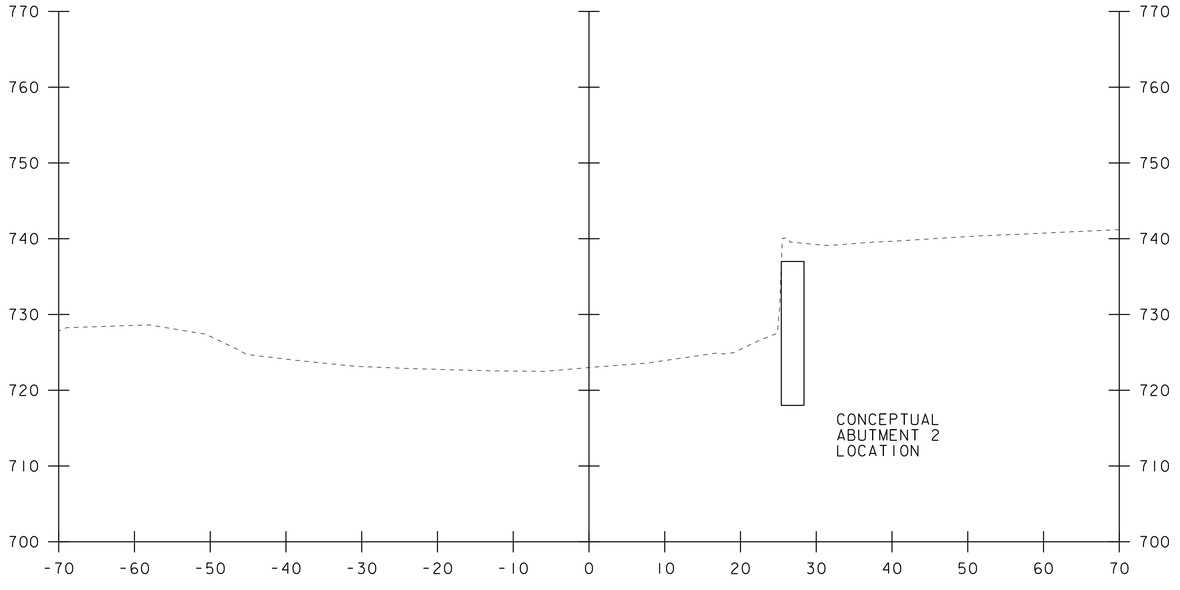
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 17 OF 22



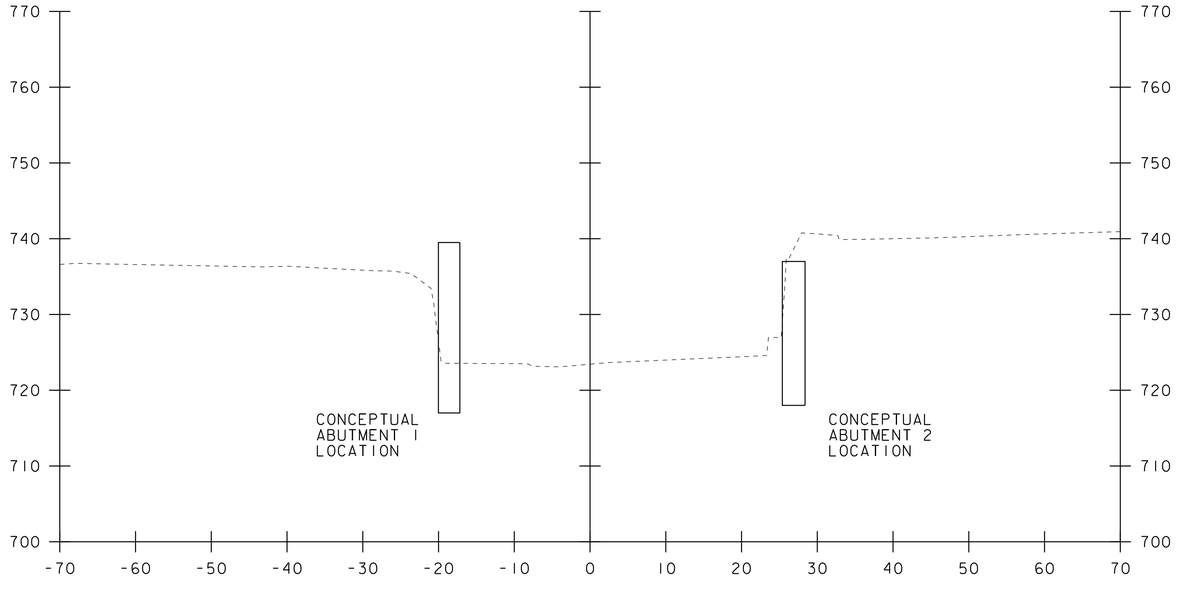
50+70



50+90



50+60



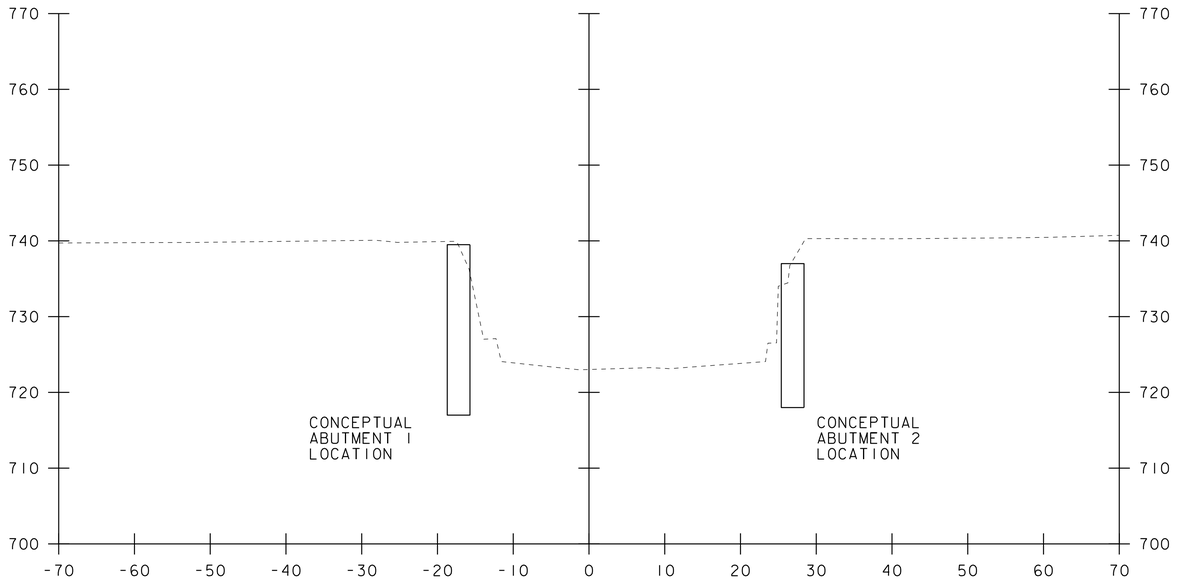
50+80

STA. 50+60 TO STA. 50+90

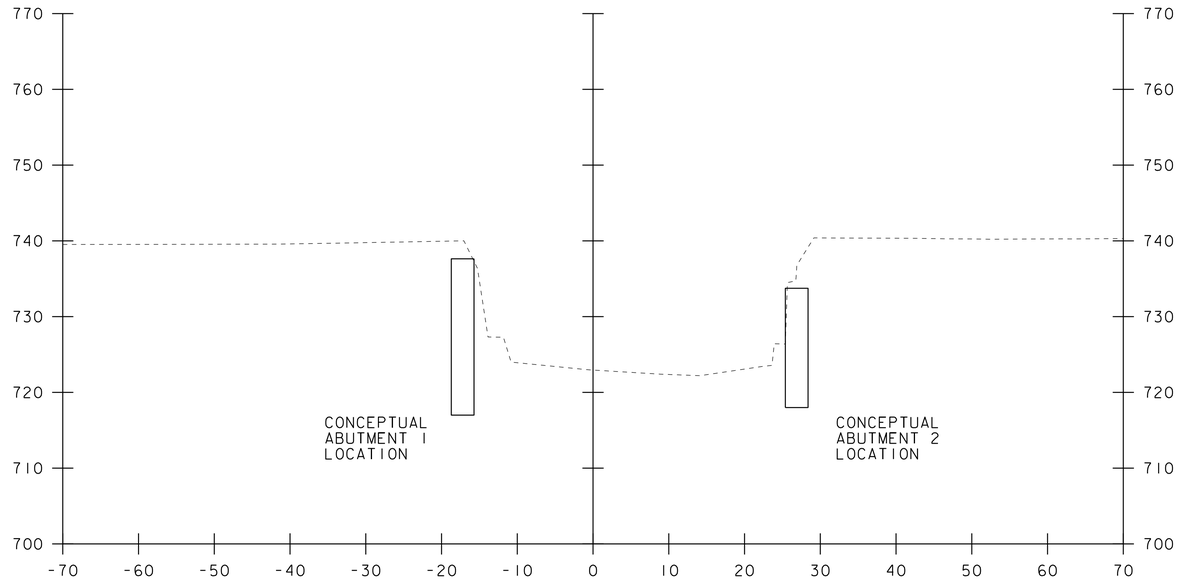
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
CHANNEL CROSS SECTIONS 2

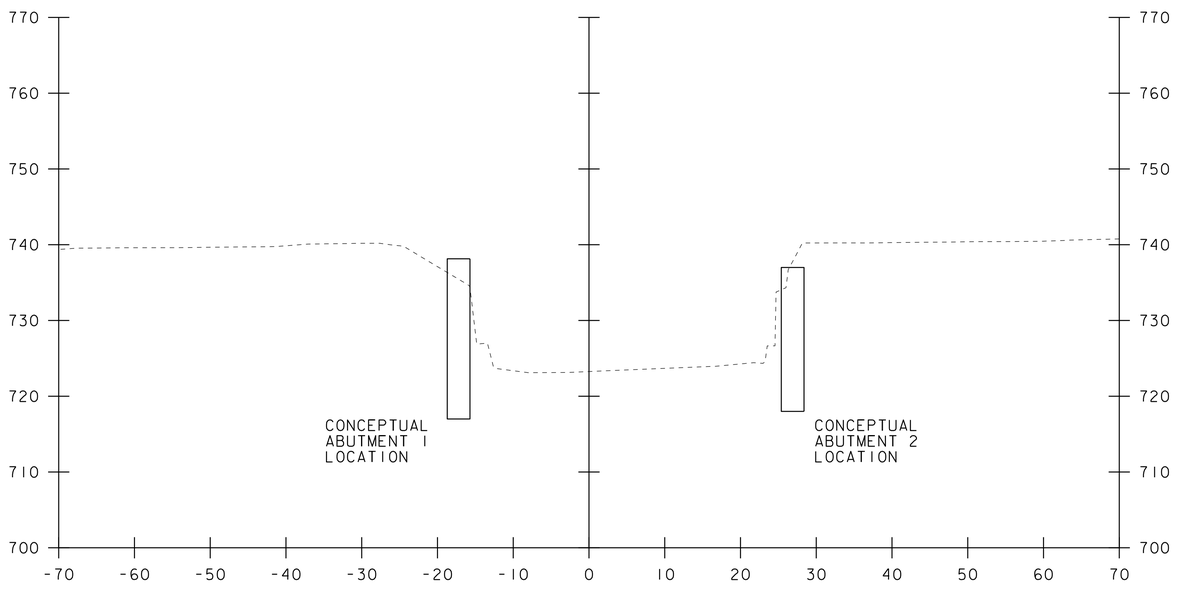
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 18 OF 22



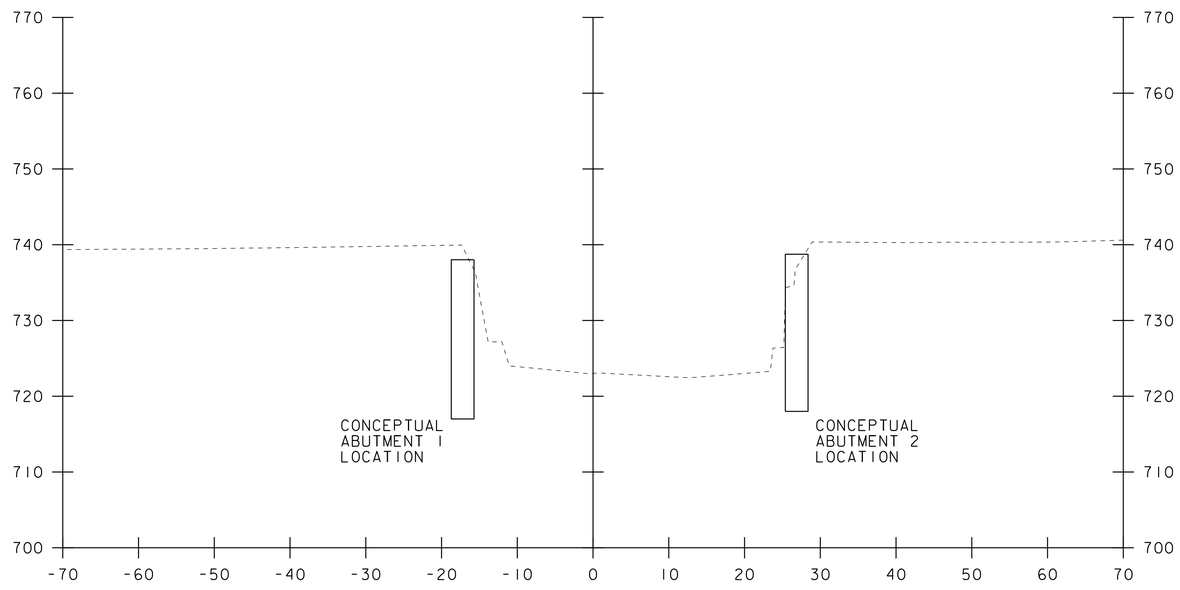
51+10



51+30



51+00



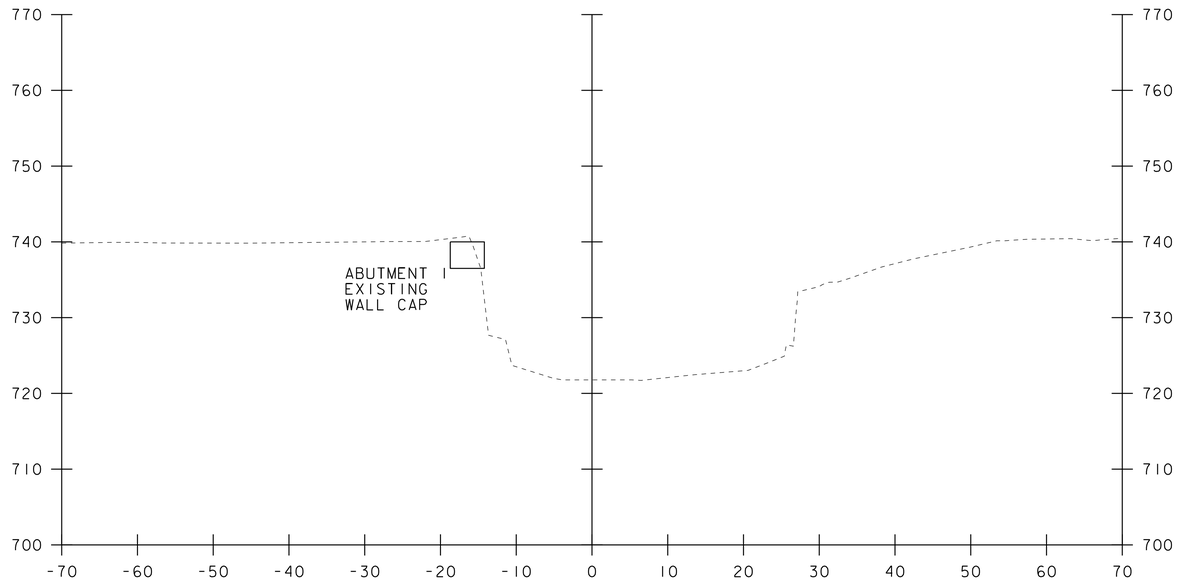
51+20

STA. 51+00 TO STA. 51+30

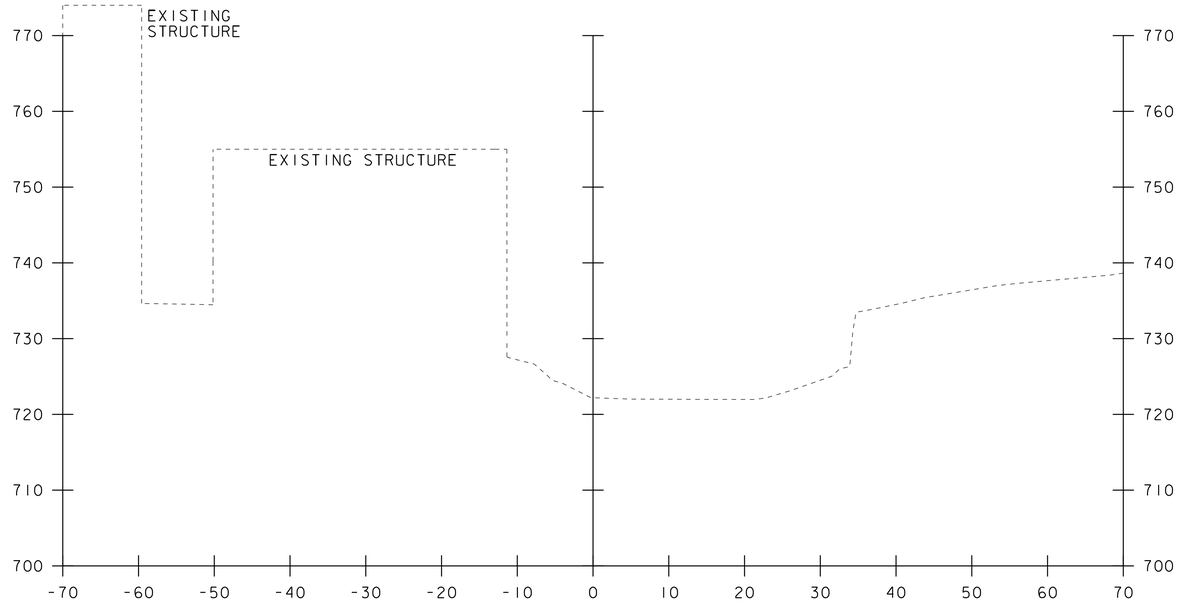
PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
CHANNEL CROSS SECTIONS 3

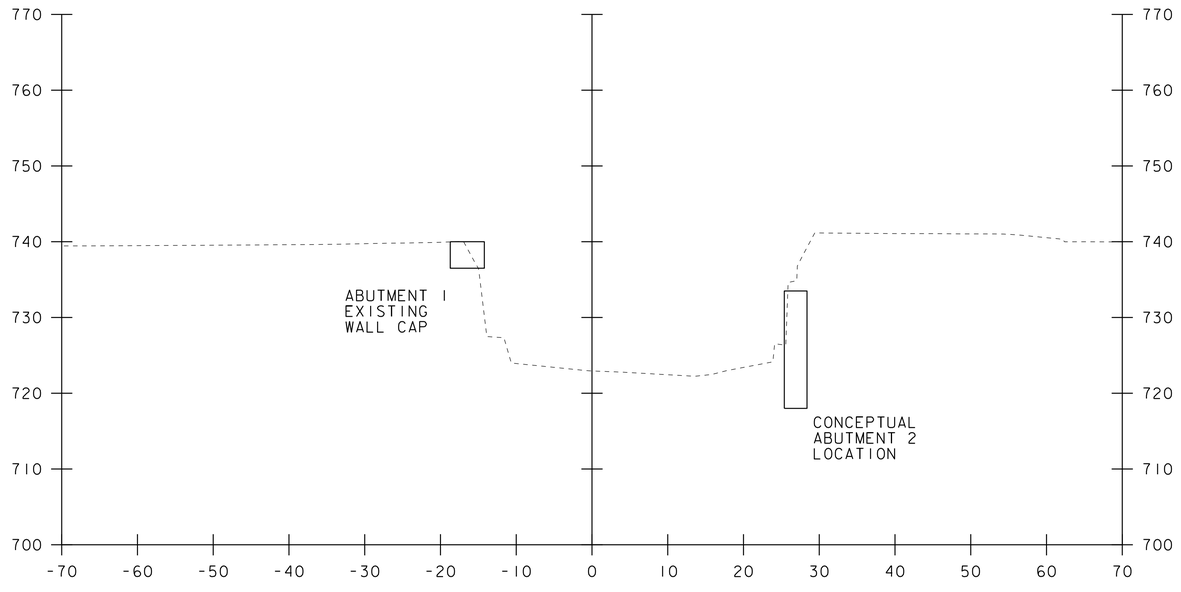
PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------



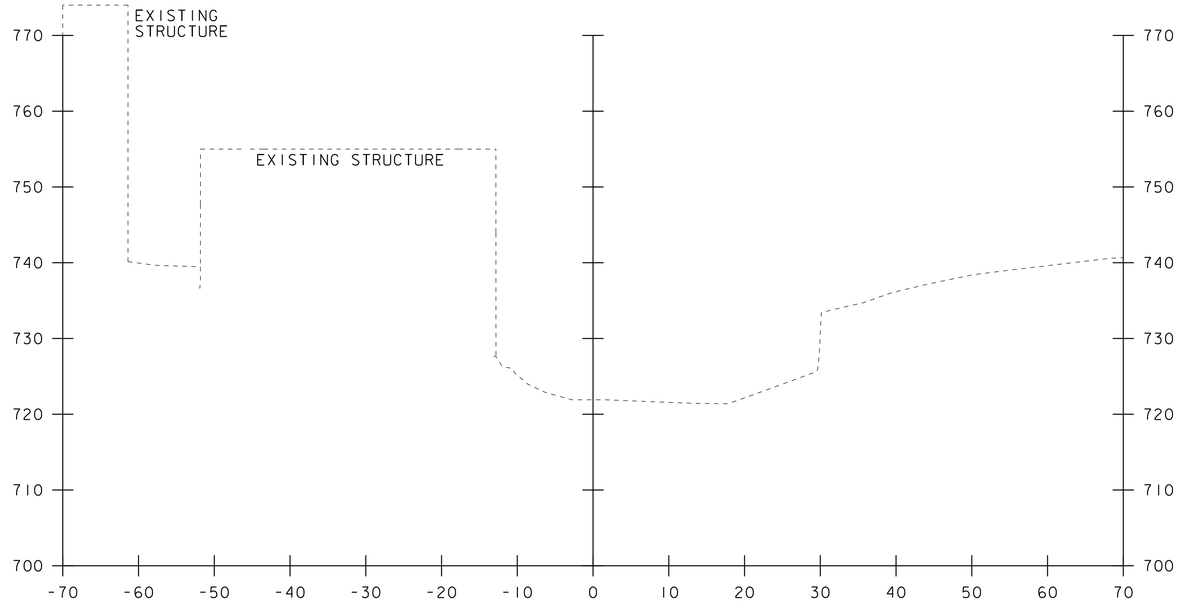
51+50



51+75



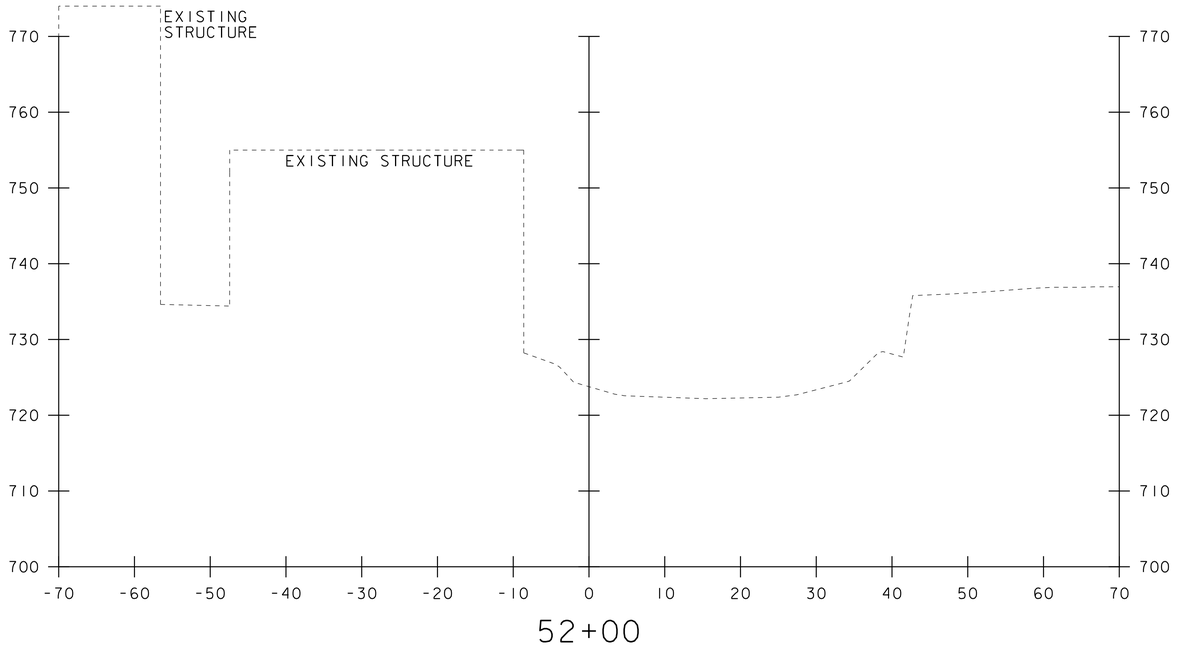
51+40



51+60

STA. 51+40 TO STA. 51+75

PROJECT NAME: ORLEANS VILLAGE	
PROJECT NUMBER: BF 0310(7)	
FILE NAME: sl3j084xs.dgn	PLOT DATE: 28-JUL-2015
PROJECT LEADER: D. BONNEAU	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: ------
CHANNEL CROSS SECTIONS 4	SHEET 20 OF 22



52+00

STA. 52+00 TO STA. 52+00

PROJECT NAME: ORLEANS VILLAGE
PROJECT NUMBER: BF 0310(7)

FILE NAME: sl3j084xs.dgn
PROJECT LEADER: D. BONNEAU
DESIGNED BY: M. EVANS-MONGEON
CHANNEL CROSS SECTIONS 5

PLOT DATE: 28-JUL-2015
DRAWN BY: M. LONGSTREET
CHECKED BY: ------
SHEET 21 OF 22

STATE OF VERMONT
WASHINGTON COUNTY
CONNECTICUT RIVER

BENCH MARK
CGS W2
ELEV. = 739.69

BARTON RIVER
FLOW

SWETT, ANDREW P. &
RALPH S.

BANKNORTH
FACILITIES
MGT. SERVICES

VILLAGE OF
ORLEANS

VILLAGE OF
ORLEANS

ETTE PLUMBING & HEATING

LAKE REGION
SENIOR CITIZENS
CENTER INC

VILLAGE OF
ORLEANS

N/F
PREVOST

N/F
JONES MEMORIAL
LIBRARY

N/F
BOLDUC

MEMORIAL SQUARE

PAVED
DRIVE

GRAVEL
DRIVE

NORTH ST

MAIN ST.
TO IRASBURG

TH-1 (VT 58)

TH-2
MAPLE ST

TH-1 (VT 58)
CHURCH ST
TO BARTON

WATER ST

ONE WAY

ONE WAY

CONCEPTUAL
LIMITS OF
CONSTRUCTION

BENCH MARK
TOP OF BOLT
AT BURY CO.
ELEV. = 742.78

VT STATE PLANE GRID

39+25
40+00
41+00
42+00
43+00
44+00
44+25
61+00
61+50
81+00
82+00
83+00

PROJECT NAME:	ORLEANS VILLAGE
PROJECT NUMBER:	BF 0310(7)
FILE NAME: sl3j084bdr.dgn	PLOT DATE: 28-JUL-2015
PROJECT LEADER: D. BONNEAU	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. EVANS-MONGEON	CHECKED BY: ------
EXISTING CONDITIONS PLAN	SHEET 22 OF 22