

PLANS PREPARED FOR



CENTURYLINK ENGINEER:
 PHONE:
 EMAIL:
 CENTURYLINK CONSTRUCTION CONTACT:
 PHONE:
 EMAIL:
 WIRECENTER:

PLANS PREPARED BY



TT ENGINEER:
 PHONE:
 EMAIL:

PROJECT CONTACT

OWNER:
 PHONE:
 EMAIL:
 PROJECT ENGINEER:
 PHONE:
 EMAIL:
 SURVEY/STAKING:
 PHONE:
 EMAIL:
 ROAD CONTRACTOR:
 PHONE:
 EMAIL:



LOCATION MAP
 NOT TO SCALE

FOR REFERENCE ONLY

PERMITS REQUIRED: YES NO

CITY:
 COUNTY:
 STATE:
 RAILROAD:
 PIPELINE:
 DNR:
 MISCELLANEOUS:

CUTS REQUIRED: YES NO

FIBER OPTIC
 COPPER

MIGRATIONS REQUIRED: YES NO

PRECONSTRUCTION MEETING DATE:
 EXPECTED ROADWAY CONSTRUCTION START DATE:

NOTE:
 CENTURYLINK FACILITIES ARE APPROXIMATE ONLY AND
 HAVE NOT BEEN POTHOLED. FOR REFERENCE ONLY.

REVISION	DATE

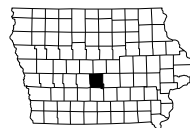


GOPHER STATE ONE CALL
 1-800-252-1100 OR
 1-651-454-0002
 WWW.GOPHERSTATEONCALL.ORG

PCC PAVEMENT WIDENING
 NHSX-006-4(189)--3H-77
 LETTING DATE
 02-16-2021

POLK CO.

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
* A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	Typical Cross Sections and Details
B.1 - 2	Typical Cross Sections and Details
C Sheets	Quantities and General Information
C.1 - 15	Estimated Project Quantities and Tabulations
D Sheets	Mainline Plan and Profile Sheets
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2 - 5	U.S. Highway 6 (Hickman Road)
E Sheets	Side Road Plan and Profile Sheets
* E.1	NW 128th Street
G Sheets	Survey Sheets
G.1 - 3	Reference Ties and Bench Marks
G.4	Horizontal Control Tab. & Super for all Alignments
H Sheets	Right-of-Way Sheets
* H.1 - 4	U.S. Highway 6 (Hickman Road)
* HE.1	NW 128th Street
J Sheets	Traffic Control and Staging Sheets
* J.1	Traffic Control Plan & Staging Notes
* J.2	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.3 - 5	Staging and Traffic Control Sheets Stage 1
* J.6 - 8	Staging and Traffic Control Sheets Stage 2
* J.9 - 11	Pavement Markings
L Sheets	Geometric, Staking and Jointing Sheets
L.1 - 37	Intersection Geometry
M Sheets	Storm Sewer Sheets
M.1 - 2	Storm Sewer Tabulations
M.3	Storm Sewer Legend & Symbol Information Sheet
M.4 - 13	Storm Sewer Plan and Profile Sheets
M.14	Detention Basin Plan
M.15 - 17	Storm Sewer Details
M.18	Water Main Plan and Profile Sheets U.S. Highway 6
N Sheets	Traffic Signal Sheets
* N.1 - 6	Traffic Signal Sheets
* N.7 - 9	Fiber Optic Sheets
* N.10	Temporary Traffic Signal Sheet
R Sheets	Erosion Control Sheets
RC.1 - 4	Est. Quantities, PPP, General Notes and Tabulations
* RR.1	Erosion Control Legend and Symbol Information Sheet
* RR.2 - 4	Erosion Control Sheets
S Sheets	Sidewalk Sheets
* S .1	Sidewalk Legend & Symbol Information Sheet
* S .2 - 6	Sidewalk Plan Sheets
* S .7 - 10	Sidewalk Tabulations
T Sheets	Earthwork Quantity Sheets
* T.1A - 1D	Earthwork Legend & Symbol Information Sheet
T.2 - 9	Earthwork Quantity Sheets
U Sheets	500 Series, Mod.Stds. and Detail Sheets
* U.1	MBD Retaining Wall Sheet
V Sheets	Cast-in-Place Retaining Wall Plans
* V.1 - 32	Cast-in-Place Retaining Wall
W Sheets	Mainline Cross Sections
W.1	Cross Sections Legend & Symbol Information Sheet
W.2 - 81	Mainline Cross Sections
X Sheets	Side Road Cross Sections
X.1 - 28	Side Road Cross Sections
Y Sheets	Storm Detention Basin Cross Sections
Y.1 - 3	Storm Detention Basin Cross Sections
	* Color Plan Sheets



Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

POLK COUNTY

PCC PAVEMENT WIDENING

NW 128TH STREET AND U.S. HIGHWAY 6 (HICKMAN) INTERSECTION

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

NO MILEAGE SUMMARY

REVISIONS

TOTAL

285

PROJECT IDENTIFICATION NUMBER

20-77-006-010

PROJECT NUMBER

NHSX-006-4(189)--3H-77

R.O.W. PROJECT NUMBER

NHSN-006-4(190)--2R-77

For Project Location Map refer to Sheet A.2



DESIGN DATA URBAN			
2016	AADT	32,000	V.P.D.
2042	AADT	48,200	V.P.D.
2042	DHV	4,400	V.P.H.
	TRUCKS	5	%
	Total		
	Design ESALs	--	

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Nathan Carhoff	Primary Signature Block
N.1	Todd Knox	Traffic Signal Design
V.1	Steve Kunz	Retaining Wall Design

Check Plans

Subject to change by final design.

DM5 PLAN - Date: 10-15-2020

FILE NO.

ENGLISH

DESIGN TEAM

SNYDER & ASSOCIATES, INC.

POLK COUNTY

PROJECT NUMBER

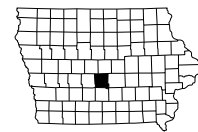
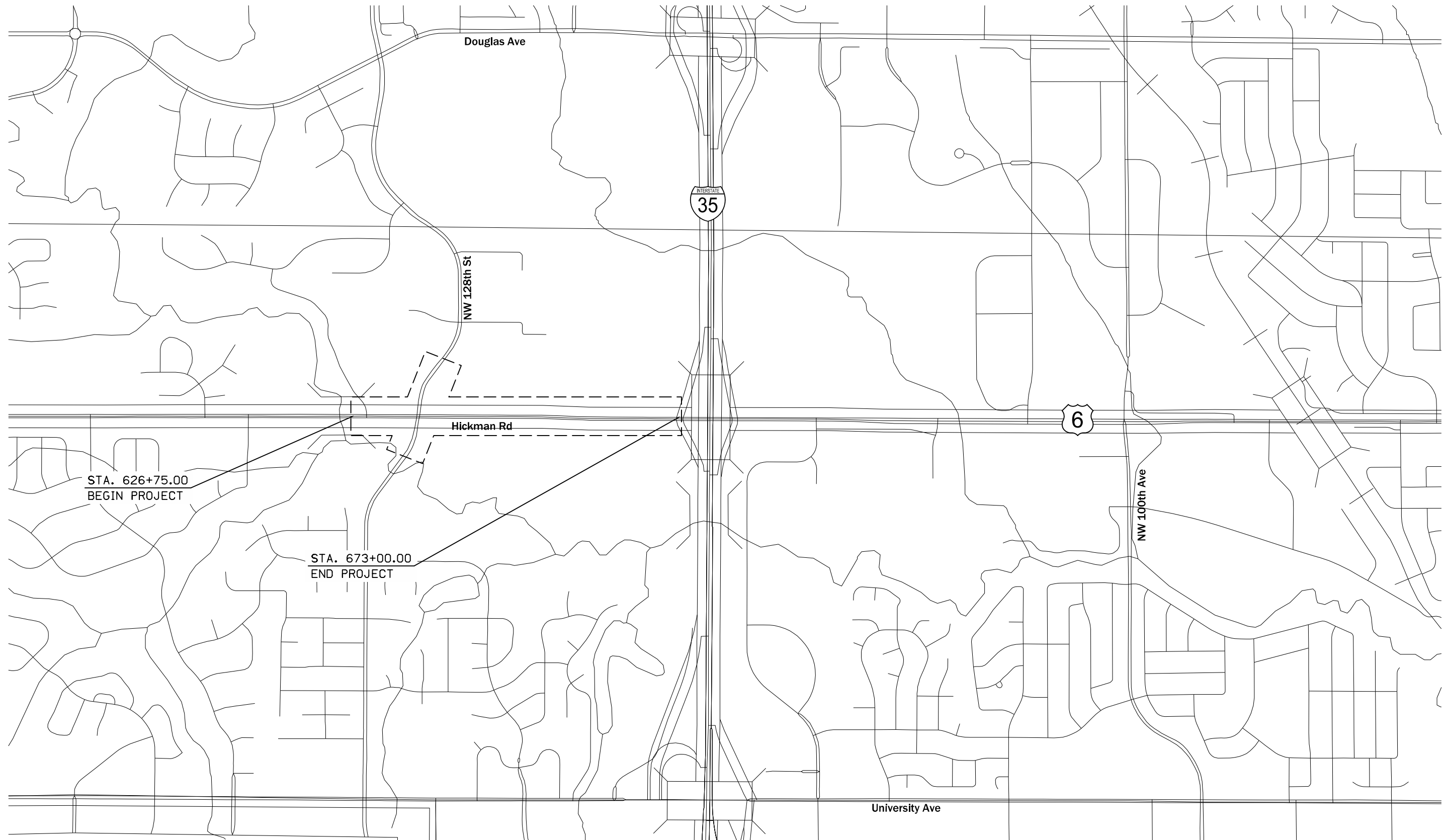
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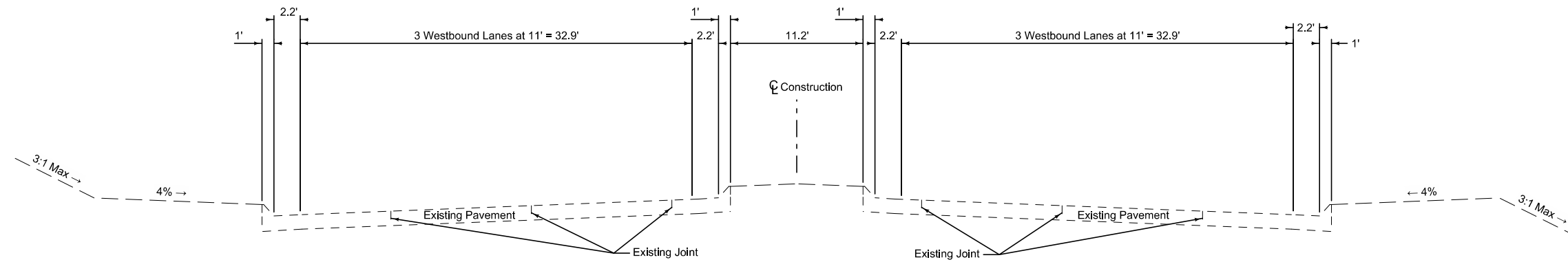
A.1

R-25W

R-24W

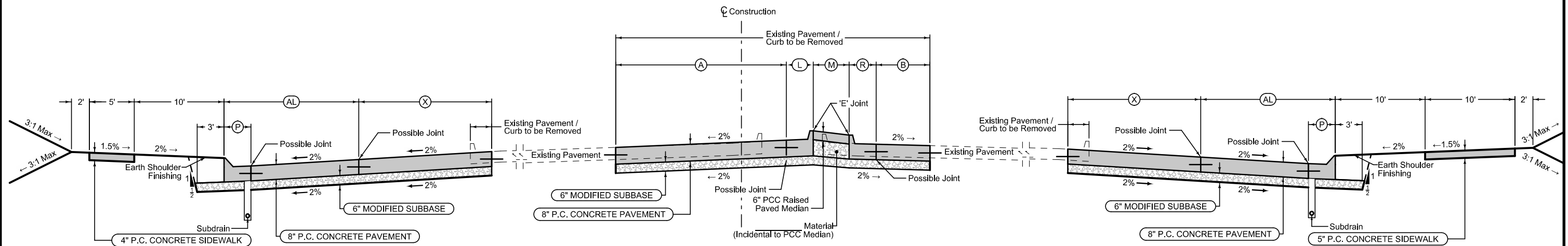


LOCATION MAP NOT TO SCALE



6-LANE WITH REDUCED LANE WIDTHS

HICKMAN ROAD WIDENING



Curbed Shoulder

Shoulder Jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
 Staged: KT-2
 Transverse: C at 17' spacing

2_Curb_MODIFIED			
STATION TO STATION		(P) Feet	Curb Type See PV-102
92494+48.94	92498+17.14	3	6" STD
92498+17.14	92498+22.14	3	6" STD - 6" Sloped
92498+22.14	92499+14.43	Var.	6" Sloped
92499+97.79	92500+63.02	Var.	6" Sloped
92500+63.02	92500+68.02	3	6" Sloped - 6" STD
92500+68.02	92502+77.03	3 - 0	6" STD
92502+77.03	92503+40.78	Var.	6" STD
92503+40.78	92504+69.60	3	6" STD

Auxiliary Lane

Longitudinal joint: L or KT
 Transverse joint: Match Mainline

2_AuxLane_PCC_MODIFIED			
STATION TO STATION		(AL) Feet	(X) Feet
92494+48.94	92496+23.67	2 - 9	0
92496+23.67	92498+22.14	9	0
92498+22.14	92499+14.43	Var.	0
92499+97.79	92500+63.02	Var.	6.5
92500+63.02	92502+54.09	13	6.5
92502+54.09	92502+77.03	13 - 8.5	6.5
92502+77.03	92503+40.78	Var.	Var.
92503+40.78	92504+13.11	7.7 - 6.6	0
92504+13.11	92504+28.09	6.6 - 4	0
92504+28.09	92504+28.09	4 - 12	0
92504+28.09	92504+69.60	12 - 4.7	0

4DP_Raised_Out_MODIFIED						
BEGIN STATION	END STATION	(A) Feet	(B) Feet	(M) Feet	(L) Feet	(R) Feet
92500+52.05	92500+98.27	8.38	Var.	Var.	0.63	0.63
92500+98.27	92503+04.10	8.38	2.38	8.00	0.63	0.63
92503+04.10	92503+33.02	Var.	2.38	Var.	0.63	0.63
92494+77.00	92495+48.50	U.A.C.	Var.	Var.	U.A.C.	0.63
92495+48.50	92496+24.00	Var.	Var.	Var.	0.63	0.63
92496+24.00	92496+70.00	2.38	17.13	8.00	0.63	0.63
92496+70.00	92498+29.73	2.38	5.38	8.00	0.63	0.63
92498+29.73	92498+75.95	Var.	Var.	Var.	0.63	0.63
92503+33.02	92504+02.88	Var.	Var.	Var.	Var.	Var.
92504+02.88	92504+78.00	Var.	Var.	Var.	0.63	0.63
92504+78.00	92504+93.92	Var.	Var.	Var.	0.63	0.63

Auxiliary Lane

Longitudinal joint: L or KT
 Transverse joint: Match Mainline

2_AuxLane_PCC_MODIFIED			
STATION TO STATION		(AL) Feet	(X) Feet
92492+47.48	92492+60.94	0	0
92492+60.94	92493+18.24	0	0
92493+18.24	92493+53.73	0	0
92493+53.73	92495+40.77	0	3.5
92495+40.77	92496+23.84	0 - 8	11
92496+23.84	92496+73.96	8 - 13	11
92496+73.96	92497+66.83	13	11.25
92497+66.83	92498+58.54	13	11.25
92498+58.54	92498+62.48	13	11.25
92498+62.48	92499+23.61	Var.	Var.
92500+10.53	92501+03.36	0	Var.
92501+03.36	92503+04.56	0	13
92503+04.56	92503+23.00	0	13 - 12.3
92503+23.00	92503+23.00	0	12.3 - 10.5
92503+23.00	92503+31.50	0	10.5 - 10.3
92503+31.50	92503+66.88	0	10.3 - 14.8
92503+66.88	92503+98.00	0	14.8 - 18.6
92503+98.00	92503+98.00	0	18.6 - 10
92503+98.00	92504+03.00	0	10
92504+03.00	92504+85.50	0	10 - 6.8
92504+85.50	92505+14.41	0	Var.
92505+14.41	92505+85.46	0	Var.

Curbed Shoulder

Shoulder Jointing:
 Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
 Staged: KT-2
 Transverse: C at 17' spacing

2_Curb_MODIFIED			
STATION TO STATION		(P) Feet	Curb Type See PV-102
92493+53.73	92498+57.48	3	6" STD
92498+57.48	92498+62.48	3	6" STD - 6" Sloped
92498+62.48	92499+26.31	Var.	6" Sloped
92500+10.53	92501+03.36	Var.	6" Sloped
92501+03.36	92501+08.36	3	6" Sloped - 6" STD
92501+08.36	92504+85.50	3	6" STD
92504+85.50	92505+14.41	Var.	6" STD
92505+14.41	92505+85.46	Var.	6" STD

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

128th STREET WIDENING

SURVEY SYMBOLS

- SWK sidewalk
- CU curb or center island
- GU gutter
- CON concrete or a/c slab
- IN intake-grate,curb,umbrella
- MH manhole
- FHD fire hydrants
- LUM luminaire
- WV water valve
- EB electrical box
- TEV evergreen tree
- SIGN SI sign
- ENT cl of entrance
- TDC tree deciduous
- TP TPD telephone pedestal
- UB utility box
- TSL traffic signal & lum
- C center of road (ML or SR)
- BB billboard or sign
- SIGN SL speed limit sign
- RIP rip-rap
- PIP pipes(cast iron,steel,tile,etc)
- TLNR tree line right
- SHR shrub
- PR power riser pole
- DU cl of draw upstream
- RET retaining walls
- TA tower anchor
- GV gas valve
- EP edge of paved roads
- GDL guard rails
- BRG bridge
- EG edge of gravel road
- D cl of draw or stream
- PPA power pole 1st co.
- GP guard post (less than 4 posts)
- CUL culvet
- SH shoulder
- TLNL tree line left
- TV tv dish
- INB intake-beehive
- ST alignment S.T.
- S Soil Sampling Site (wetlands)
- TVP tv pedestal
- SF Silt Fence (Wetlands)
- STP stump
- FWD wood fence
- TDL traffic detection loop
- FCL security & chain link
- BM bench mark
- ENP edge of paved entrance & parking

UTILITY LEGEND

- E1** - MidAmerican Energy Company
Tim Davis (515) 242-4224
tldavis@midamerican.com
- E2** - City of Urbandale - Electric Line
Dave McKay (515) 278-3950
engpw@urbandale.org
- E3** - City of Clive - Electric Line
Jeff May (515) 223-6231
jmay@cityofclive.com
- F0** - Zaya Fiber Solutions
Steve Senger (952) 230-9660 Cell: (612) 210-8036
steven.senger@zayo.com
- F02** - CenturyLink
Steve Parker (515) 265-0968 Cell: (507) 358-1978
Steven.Parker4@centurylink.com
- F03** - MCI/Verizon Business
Jim Powers (515) 380-2208 Cell: (515) 380-2208
jim.powers1@verizon.com
- F04** - ICN - Iowa Communication Networks
Mike Broderick (515) 725-4610 Cell: (515) 330-7139
Mike.Broderick@iowa.gov
- F05** - Windstream Communications
Luke Niles (501) 748-5893 Cell: (682) 554-6784
Luke.t.niles@windstream.com
- F06** - Unite Private Networks, LLC
Clark Lundy (515) 321-3336
clark.lundy@upnfiber.com
- F07** - City of Clive - Fiber Optic
Jeff May (515) 223-6231
jmay@cityofclive.com
- F08** - Consolidated Communications
Westen Grow (515) 867-4769
weston.grow@eventis.com
- G** - MidAmerican Energy Company - Gas
Tim Davis (515) 242-4224
tldavis@midamerican.com
- GHP** - MidAmerican Energy Company - High Pres Gas
Tim Davis (515) 242-4224
tldavis@midamerican.com
- GP** - MidAmerican Energy Company - Power Pole
Tim Davis (515) 242-4224
tldavis@midamerican.com
- GP** - MidAmerican Energy Company - Electric Riser Pole
Tim Davis (515) 242-4224
tldavis@midamerican.com
- ST S** - Clive Public Works Urbandale Public Works
Jeff May (515) 223-6231 Dave McKay (515) 278-3950
jmay@cityofclive.com engpw@urbandale.org
- SAN** - Clive Public Works Urbandale Public Works
Jeff May (515) 223-6231 Dave McKay (515) 278-3950
jmay@cityofclive.com engpw@urbandale.org
- T1** - CenturyLink
Steve Parker (515) 265-0968 Cell: (507) 358-1978
Steven.Parker4@centurylink.com
- TV** - Mediacom Communications Corporation
Paul May (515) 246-2252 Cell: (515) 554-2648
pmay@mediacomcc.com
- TV2** - TDI Cable
- W** - Clive Public Works
Jeff May (515) 223-6231
jmay@cityofclive.com
- W2** - Des Moines Water Works
Carla Schumacher (515) 323-6227 Cell: (515) 201-3292
cschumacher@dmww.com
- W3** - City of Urbandale
Dave McKay (515) 278-3950
engpw@urbandale.org

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	Description
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.	Description	
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.	Description
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

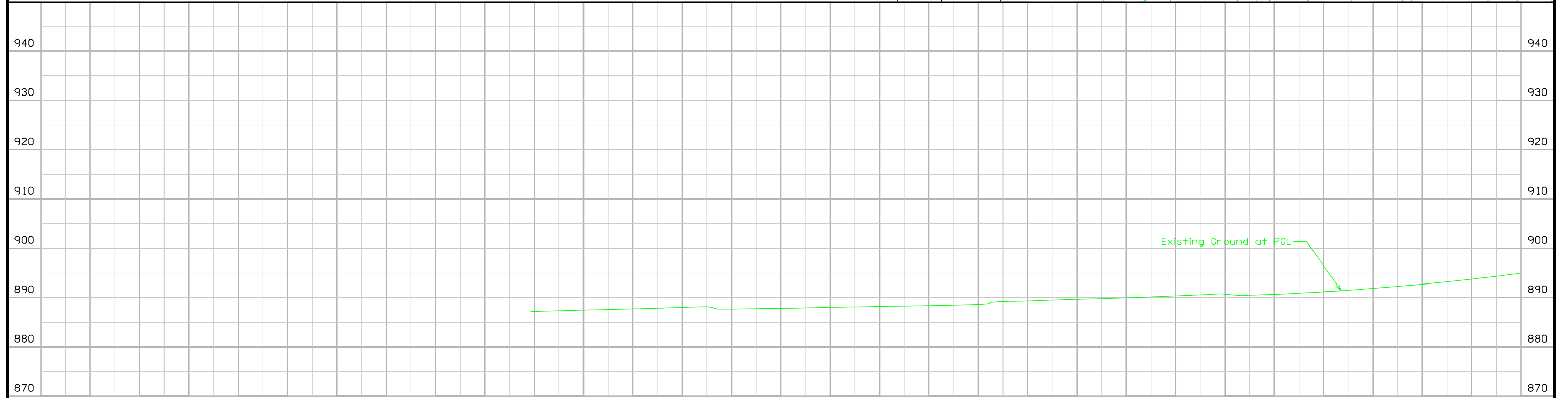
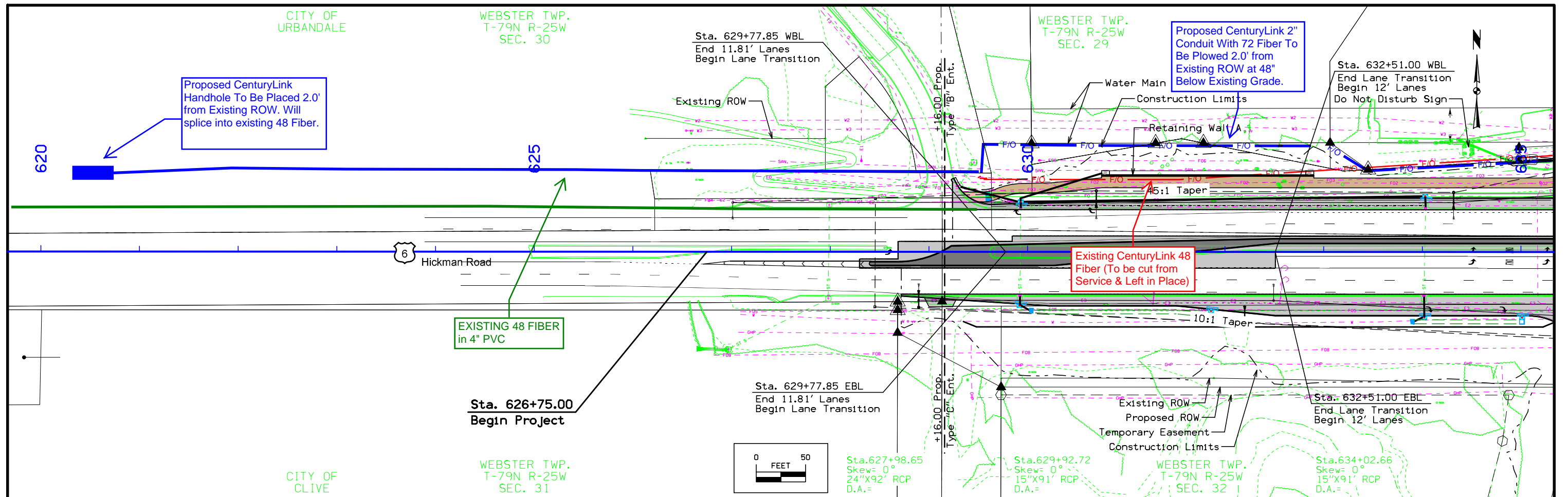
- ▲ Section Corner
- Ground Line Intercept
- //// Saw Cut
- ++++ Guardrail
- ==== Trench Drain
- HighTension Cable Guardrail
- ~~~~ Sheet Pile
- ▨ Pavement Removal
- ▩ Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

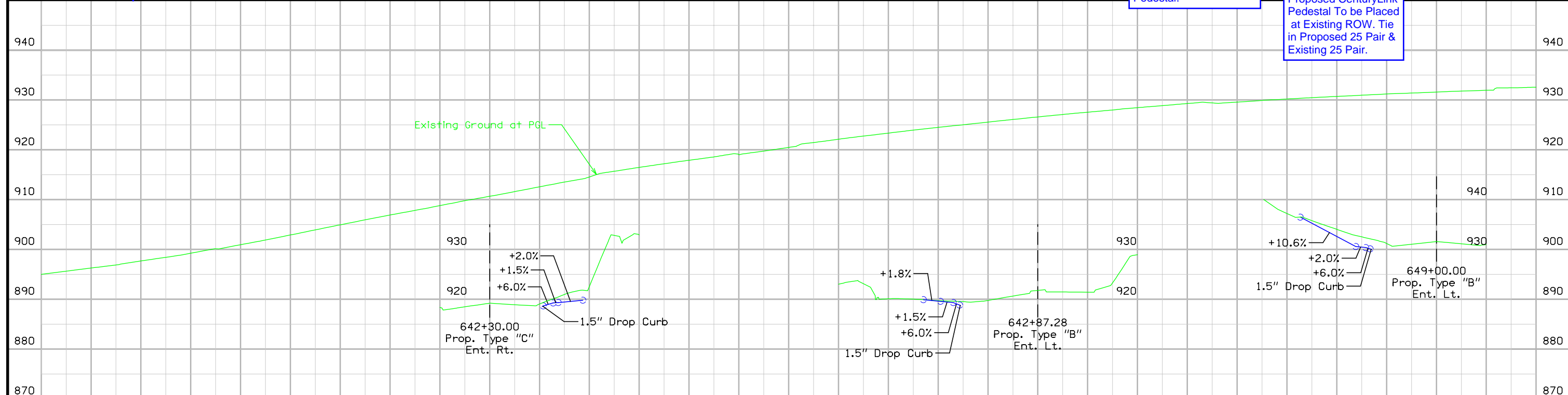
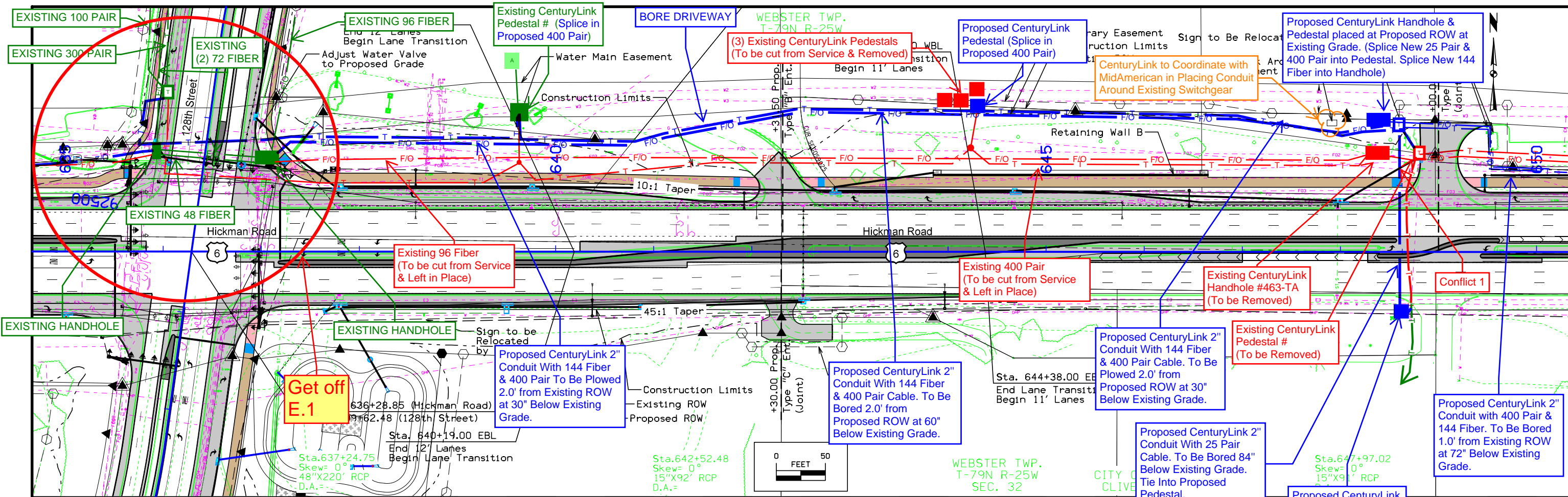
- ▲ Proposed Right-of-Way
- △ Existing Right of Way
- ▲ Existing and Proposed Right-of-Way
- ▲ Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- ↔ Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

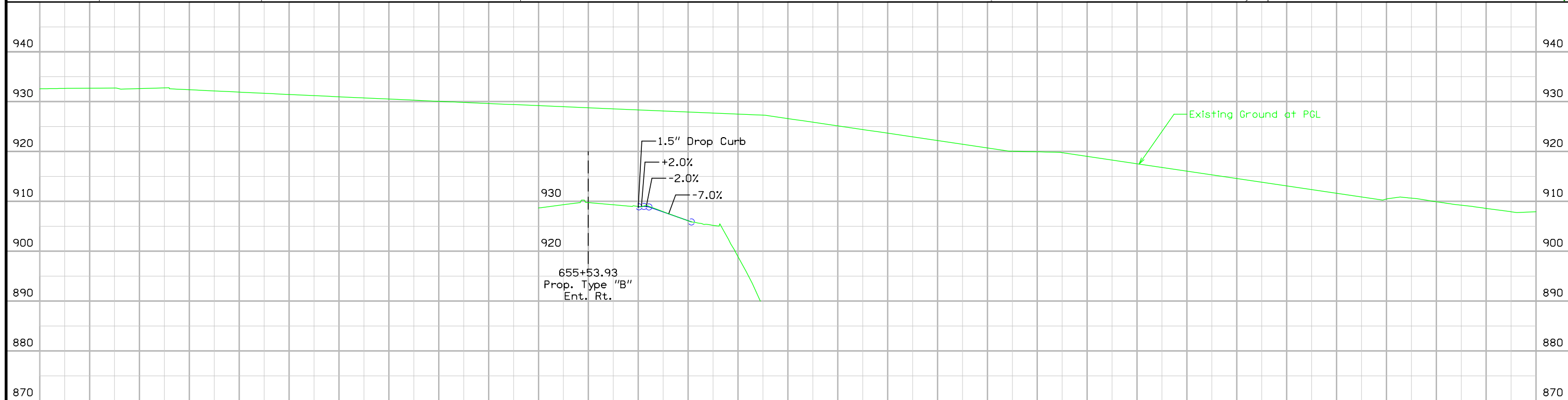
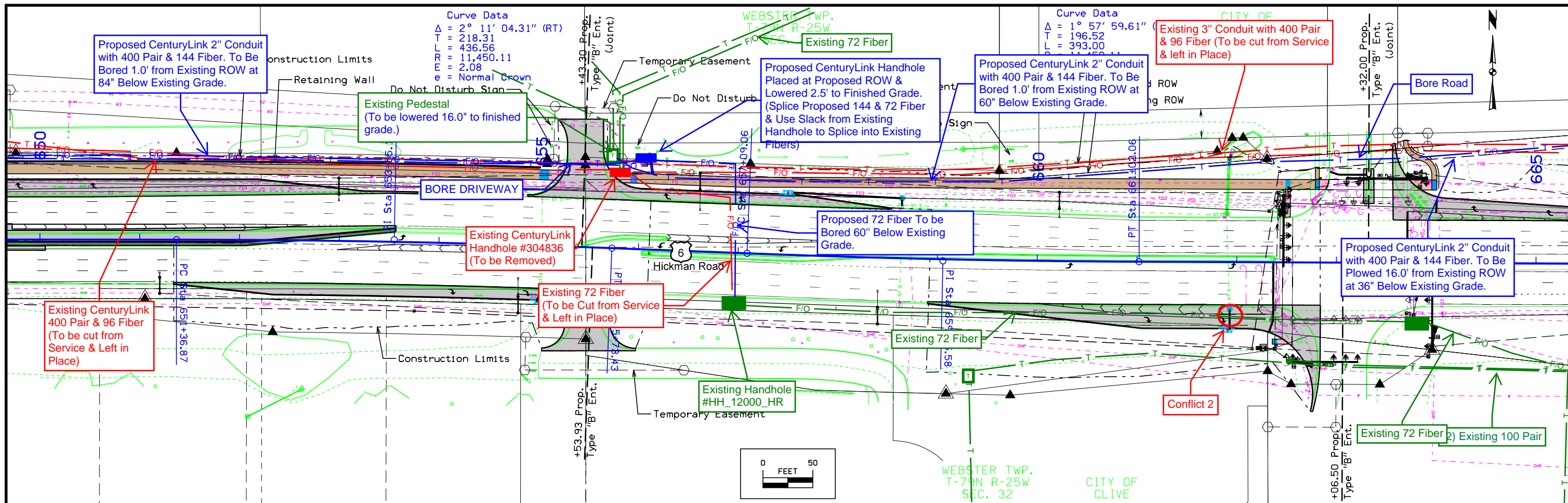
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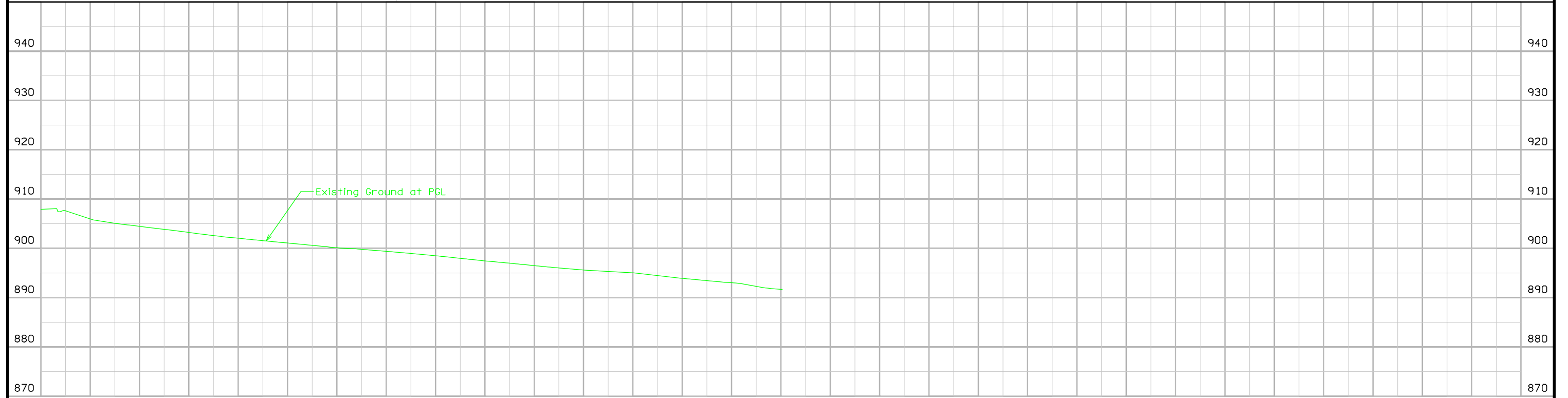
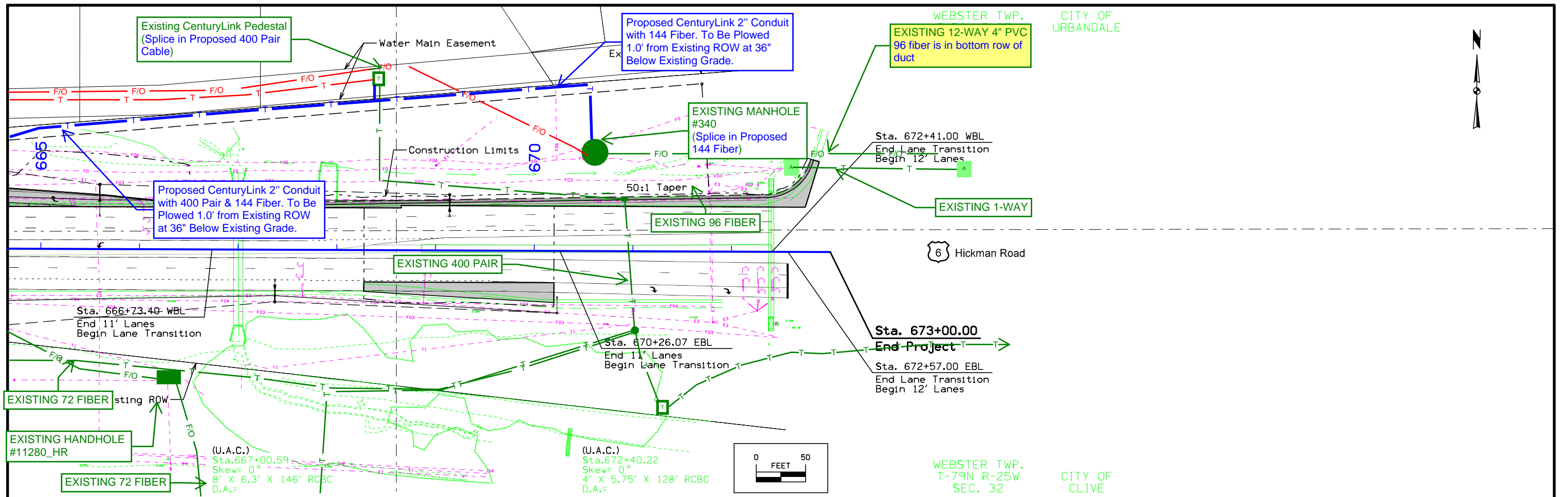
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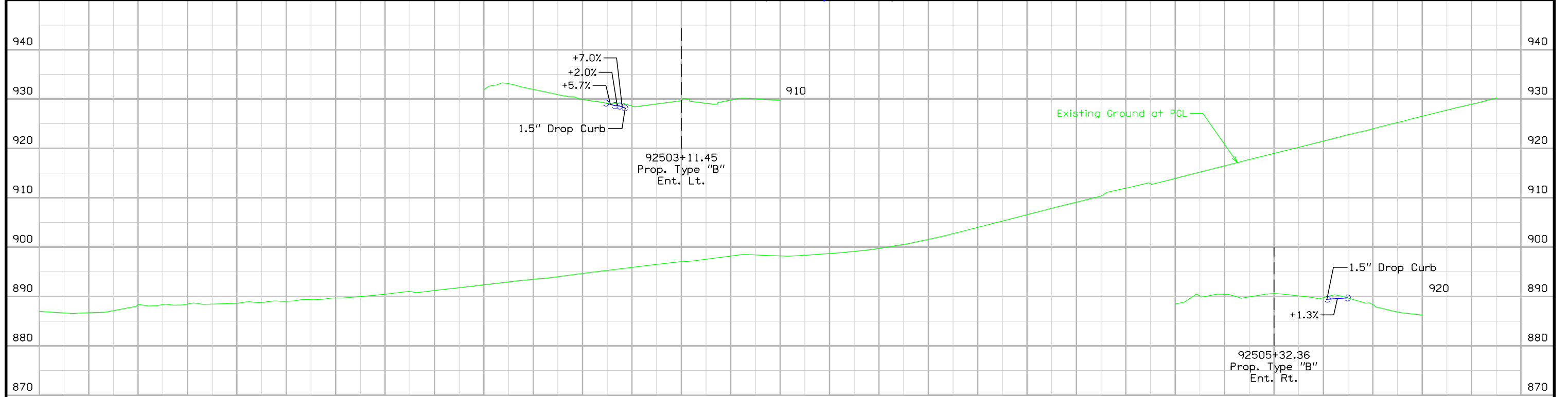
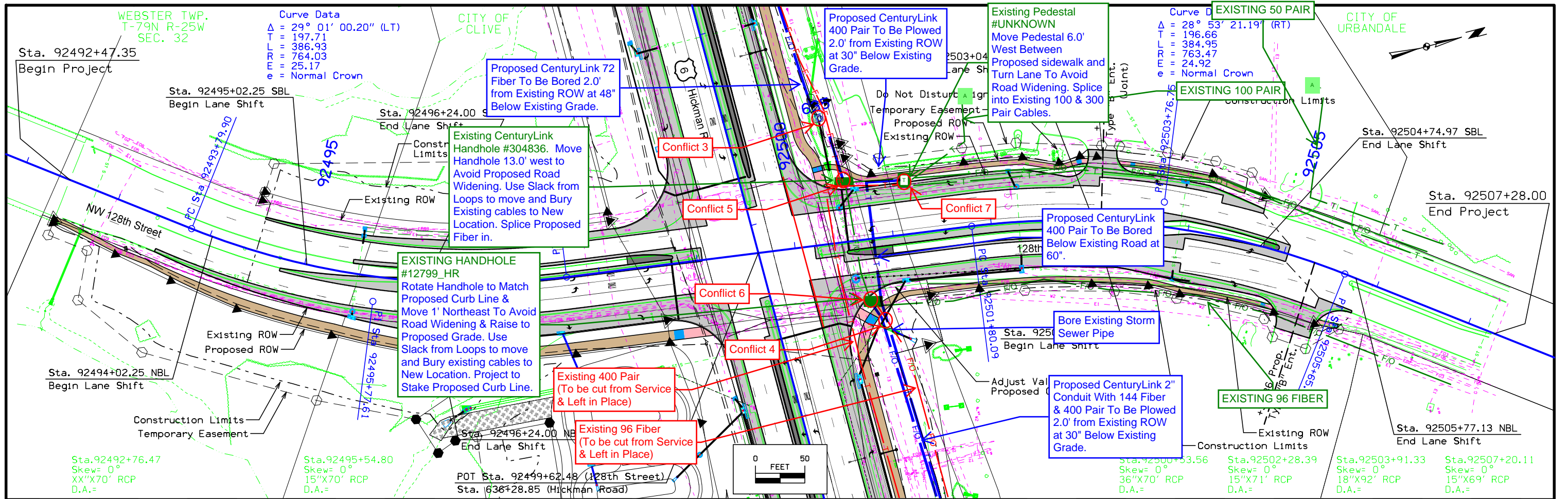
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FILE NO.	ENGLISH	DESIGN TEAM	SNYDER & ASSOCIATES, INC.			POLK COUNTY	PROJECT NUMBER	NHSX-006-4(189)--3H-77			SHEET NUMBER	D.5			



92493	92494	92495	92496	92497	92498	92499	92500	92501	92502	92503	92504	92505	92506	92507
FILE NO.	ENGLISH	DESIGN TEAM	SNYDER & ASSOCIATES, INC.				POLK COUNTY	PROJECT NUMBER	NHSX-006-4(189)--3H-77			SHEET NUMBER	E.1	