F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	55-2	McDONOUGH	1025	203
STA. 281+00		TO STA. 293+00		
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		

PERMANENT EROSION CONTROL LEGEND

AGGREGATE DITCH (TO BE PLACED UPON COMPLETION OF DITCH CUT)

℄ STA. 284+50.00
INLETS, TYPE B, WITH MEDIAN INLET (604106) SPECIAL
GRATE ELEV. = 649.80
N. & S. UNDERDRAIN INV. ELEV. = 647.80
S. INV. ELEV. = 632.93

STONE RIPRAP, CLASS B3
18' X 34'

PROPOSED T.E.

GRALIN, L.P.

GABIONS AND
STONE RIPRAP, CLASS B3
SEE DETAIL SHEET

MICHAEL, AND
RITA CORDELL

GRALIN, L.P.

EXIST. R.O.W.

PROP. A.C.

EXISTING R.O.W.

STONE RIPRAP, CLASS B3
(BACKSLOPE EROSION PROTECTION)
20' X 58'

PROPOSED R.O.W./A.C.

CONSTRUCTION LIMITS

PROPOSED ℄ IL. ROUTE 336

MATCH LINE STA. 281+00

MATCH LINE STA. 293+00

282+00 283+00 284+00 285+00 286+00 287+00 288+00 289+00 290+00 291+00 292+00

IL. ROUTE 336

RIPRAP, SPECIAL (TYP)
(SEE DETAIL SHEET)

GRALIN, L.P.

PROPOSED R.O.W./A.C.

CONSTRUCTION LIMITS

PIPE UNDERDRAINS 4" (SPECIAL) (TYP)
CONCRETE HEADWALL
FOR PIPE DRAINS (TYP)

CONST. LIMITS

PROPOSED R.O.W./A.C.

RANDY MURFIN

STILLING BASIN
SEE DETAIL SHEET

PROPOSED A.C.

CONSTRUCTION LIMITS

TWP. RD. 154 (550E)

PROPOSED T.E.

710' F.E.

GRALIN, L.P.

124' L.F., PIPE CULVERTS, CLASS A,
TYPE 5 36" @ 0.50% SLOPE

STA. 284+50, 124.9' RT.,
PRC FLARED END SECTIONS 36"
INV. ELEV. = 632.31

GRALIN, L.P.

SEE INTERSECTION DETAILS FOR ADDITIONAL CUL-DE-SAC DRAINAGE INFORMATION

EXISTING R.O.W.

PROPOSED R.O.W./A.C.

STONE RIPRAP, CLASS B3
16' X 30'

℄ STA. 286+54.16, SKEW 20°52' LEFT FORWARD
260 FT., PRECAST CONCRETE BOX CULVERT 6' X 6' @ 0.44% SLOPE
WITH BOX CULVERT END SECTIONS, CULVERT NO. 6
N. INV. ELEV. = 631.45 (STA. 287+03, 120.0' LT.)
S. INV. ELEV. = 630.30 (STA. 286+06, 134.0' RT.)

STONE RIPRAP, CLASS B3
20' X 33'

CONCRETE HEADWALL FOR PIPE DRAINS

WB OUTSIDE STA. 284+50, 68' LT., INV. ELEV. = 649.29
WB OUTSIDE STA. 287+00, 67' LT., INV. ELEV. = 650.84
WB OUTSIDE STA. 292+00, 67' LT., INV. ELEV. = 656.88
WB INSIDE STA. 289+00, 11' LT., INV. ELEV. = 654.70
EB INSIDE STA. 289+00, 9' RT., INV. ELEV. = 654.70
EB OUTSIDE STA. 284+50, 69' RT., INV. ELEV. = 652.11
EB OUTSIDE STA. 288+00, 67' RT., INV. ELEV. = 654.87
EB OUTSIDE STA. 293+00, 67' RT., INV. ELEV. = 660.92

PIPE UNDERDRAINS 4"

WB OUTSIDE EOP LT. STA. 281+00 TO STA. 284+50
WB OUTSIDE EOP LT. STA. 284+50 TO STA. 293+00
WB INSIDE EOP LT. STA. 281+00 TO STA. 284+50
WB INSIDE EOP LT. STA. 284+50 TO STA. 293+00
EB INSIDE EOP RT. STA. 281+00 TO STA. 284+50
EB INSIDE EOP RT. STA. 284+50 TO STA. 293+00
EB OUTSIDE EOP RT. STA. 281+00 TO STA. 284+50
EB OUTSIDE EOP RT. STA. 284+50 TO STA. 293+00

PIPE UNDERDRAINS 4" (SPECIAL)

WB OUTSIDE LT. STA. 284+50 (W. PIPE), 19' @ 1.68% SLOPE
WB OUTSIDE LT. STA. 284+50 (E. PIPE), 19' @ 1.00% SLOPE
WB OUTSIDE LT. STA. 287+00, 18' @ 1.00% SLOPE
WB OUTSIDE LT. STA. 292+00, 18' @ 1.00% SLOPE
WB INSIDE LT. STA. 284+50 (W. PIPE), 25' @ 12.84% SLOPE
WB INSIDE LT. STA. 284+50 (E. PIPE), 25' @ 12.36% SLOPE
WB INSIDE LT. STA. 289+00, 14' @ 1.00% SLOPE
EB INSIDE RT. STA. 284+50 (W. PIPE), 25' @ 12.84% SLOPE
EB INSIDE RT. STA. 284+50 (E. PIPE), 25' @ 12.26% SLOPE
EB INSIDE RT. STA. 289+00, 14' @ 1.00% SLOPE
EB OUTSIDE RT. STA. 284+50 (W. PIPE), 20' @ 1.70% SLOPE
EB OUTSIDE RT. STA. 284+50 (E. PIPE), 20' @ 1.00% SLOPE
EB OUTSIDE RT. STA. 288+00, 18' @ 1.00% SLOPE
EB OUTSIDE RT. STA. 293+00, 18' @ 1.00% SLOPE

SEE PIPE UNDERDRAIN SHEETS FOR
PIPE UNDERDRAINS 4" PROFILES
AND INVERTS AT EDGE OF PAVEMENT

N

25 0 50 100
SCALE IN FEET
HORIZONTAL

PROFILE

680 670 660 650 640 630 620 610

MATCH LINE STA. 281+00

VPI 282+00.00 LT.
EL. 649.00

VPI 284+00.00 LT.
EL. 644.00

PROPOSED P.G.L. PROFILE

EXISTING ℄ PROFILE

VPI 288+00.00 RT.
EL. 646.01

VPI 291+00.00 LT.
EL. 653.00

TWP. RD. 154 (550E)

MATCH LINE STA. 293+00

-1.00%
-2.50%
-4.31%
+7.75%
+1.00%
+5.66%
+1.00%

LEFT DITCH PROFILE

RIGHT DITCH PROFILE

-2.40%
-2.40%
-1.47%
-1.47%
+7.75%
+5.66%
+1.00%

RIGHT DITCH PROFILE

LEFT DITCH PROFILE

INLETS, TYPE B
PIPE CULVERTS, 36"

VPI 284+00.00 RT.
EL. 633.00

VPI 285+10.00 RT.
EL. 630.50

VPI 286+00.00 RT.
EL. 630.50

VPI 286+90.00 LT.
EL. 631.50

VPI 287+20.00 LT.
EL. 631.50

PRECAST CONCRETE BOX CULVERT 6' X 6'

VPI 291+00.00 RT.
EL. 649.01

SCALE IN FEET
VERTICAL
5 0 10 20

	EXISTING ELEVATION / PROPOSED ELEVATION																					
	663.33 / 655.50	659.09 / 655.06	656.14 / 654.62	655.21 / 654.18	655.10 / 653.76	652.66 / 653.43	648.71 / 653.22	639.18 / 653.13	644.49 / 653.15	648.51 / 653.30	638.10 / 653.56	643.96 / 653.94	652.00 / 654.43	655.32 / 655.03	658.49 / 655.63	660.31 / 656.24	662.10 / 656.84	662.96 / 657.45	663.02 / 658.05	660.95 / 658.66	661.80 / 659.26	659.62 / 659.87	653.34 / 660.48	656.92 / 661.08	659.44 / 661.69
	281+00	282+00	283+00	284+00	285+00	286+00	287+00	288+00	289+00	290+00	291+00	292+00	293+00									

DRAINAGE PLAN AND PROFILE – IL. ROUTE 336 – STA. 281+00 TO STA. 293+00

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