VILLAGE OF RICHFIELD, WISCONSIN

2015 HIGHWAY IMPROVEMENTS PROGRAM

UTILITY CONTACTS

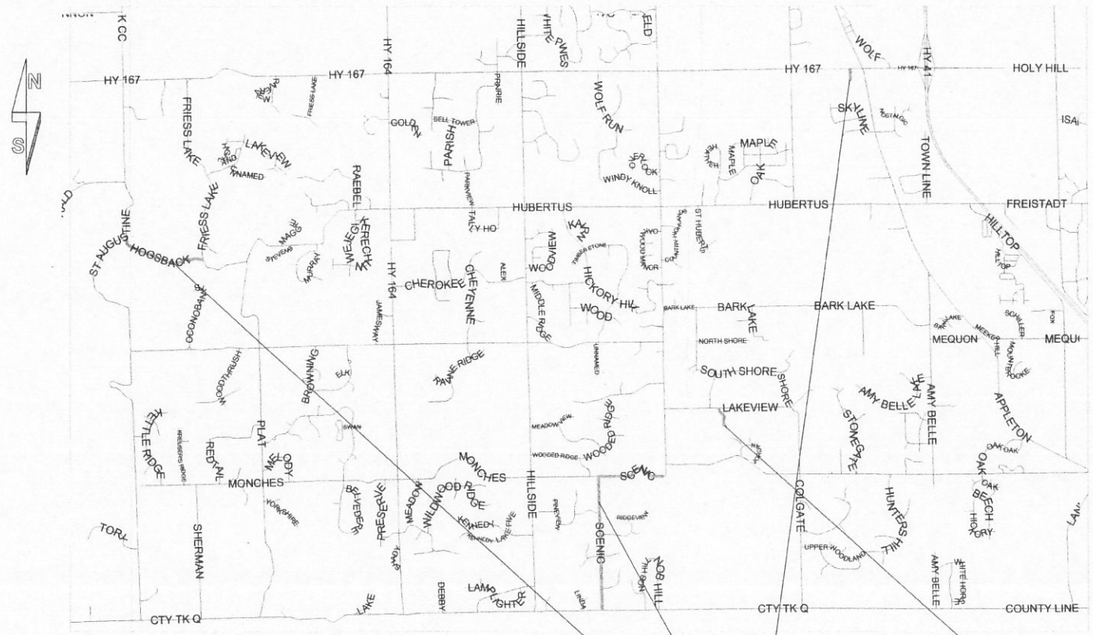
Village of Richfield

Village of Richfield
Contact: Jim Healy
Village Hall
4128 Hubertus Road
Hubertus, WI 53033
(262) 628-2260 Ext. 114

AT&T
Contact: Joel Ostrenga
2005 Pewaukee Rd.
Waukesha WI, 53188
(262) 896-6527 (Office)
(262) 408-1496 (Cell)
Email: jo4761@att.com

WE Energies
Contact: Thomas Minesal
500 S. 116th Street
West Allis, WI 53214
(414) 944-5755

Charter Communications
Contact: Tom Harycki
2312 Continental Drive
West Bend, WI 53095
262-306-8756 Ext: 20702



ALTERNATE PROJECT LOCATION

PROJECT LOCATION

SHEET INDEX

1	COVER PAGE
2	TYP. X-SECTION / PAVING DETAILS
3	BASSWOOD LANE PLAN & PROFILE
4-11	SCENIC ROAD PLAN & PROFILE
12-14	HOGSBACK ROAD PLAN & PROFILE
15	ALTERNATE RIDGEWOOD KNOLL PLAN
16	EROSION CONTROL PLAN AND DETAILS

WISCONSIN
BASIL ORECHWA
E-24172
BEAVER DAM
WIS.
PROFESSIONAL ENGINEER
1-5-15

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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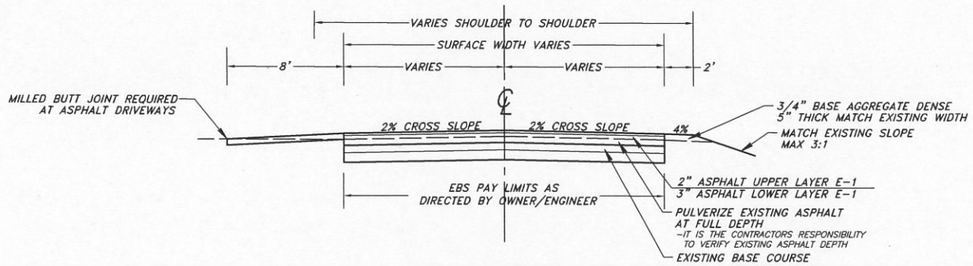


RICHFIELD, WI
TYPICAL CROSS SECTION

General Notes

1) *Pulverize existing asphalt pavement full depth, 5" depth estimated. Pavement removal and saw cutting are incidental to other items.*

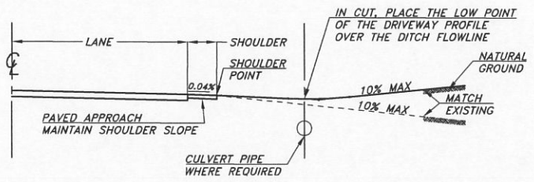
2) *All pulverized material is to remain onsite and incorporated into the work.*

3) *Intersection and driveway limits to be transitioning per plan or as directed by engineer/ owner representative.*

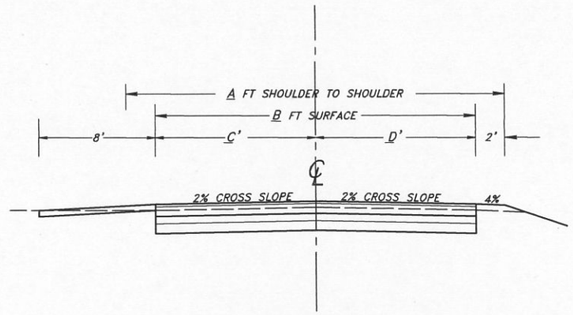
4) *Adjust roadway as necessary to match existing driveways.*

5) *Existing driveways shall be transitioned to final road grade with pulverized material and 3" asphalt surface course. Any concrete driveways inside the road right of way that require grade transition shall be cut back as directed by the engineer/owner representative and transitioned to finished grade with hot mix asphalt.*

6) *Shaping of shoulders to finished cross section with delivered aggregate will be paid for under aggregate shoulder. Aggregate shoulder shall be used for matching gravel driveways beyond a 5' minimum apron.*



TYPICAL DRIVEWAY PROFILES



RICHFIELD, WI
TYPICAL CROSS SECTION
KEY TO TABLES

BASSWOOD LANE					
BEGIN STATION	END STATION	A S TO S	B SURFACE	C LEFT LANE	D RIGHT LANE
10+00.	14+16.	26'	22'	11.'	11.'
			TOTAL PAVEMENT AREA		1,606 SQ YD

SCENIC DRIVE					
BEGIN STATION	END STATION	A S TO S	B SURFACE	C LEFT LANE	D RIGHT LANE
20+63.	26+70.	27'	23'	11.5'	11.5'
26+70.	28+06.	TAPER PAVEMENT WIDTH			
28+06.	29+07.	35'	31'	11.5'	19.5'
29+07.	29+95.	TAPER PAVEMENT WIDTH			
29+95.	39+33.	27'	23'	11.5'	11.5'
39+33.	40+70.	TAPER PAVEMENT WIDTH			
40+70.	41+56.	45'	41'	20.5'	20.5'
41+56.	43+18.	TAPER PAVEMENT WIDTH			
43+18.	47+79.	27'	23'	11.5'	11.5'
47+79.	49+11.	TAPER PAVEMENT WIDTH			
49+11.	50+15.	44'	40'	20.'	20.'
50+15.	51+49.	TAPER PAVEMENT WIDTH			
51+49.	56+60.	27'	23'	11.5'	11.5'
56+60.	57+92.	TAPER PAVEMENT WIDTH			
57+92.	58+84.	49'	45'	22.5'	22.5'
58+84.	60+33.	TAPER PAVEMENT WIDTH			
60+33.	72+19.	27'	23'	11.5'	11.5'
INTERSECTION					
73+40.	100+78.	26'	22'	11.'	11.'
			TOTAL PAVEMENT AREA		26,126 SQ YD

HOGSBACK ROAD					
BEGIN STATION	END STATION	A S TO S	B SURFACE	C LEFT LANE	D RIGHT LANE
11+00.	45+95.	24'	20'	10.'	10.'
			TOTAL PAVEMENT AREA		8,688 SQ YD

TYPICAL CROSS SECTIONS

0 20 40
SCALE

REVISED 12/18/14

SCALE : 1" = 5'H 5'V

PROJECT : # 2014.K048
DATE : 11/19/14
DRAWN BY : NAC
APPROVED BY : BAO

VILLAGE OF RICHFIELD, WISCONSIN
TYPICAL CROSS SECTIONS
2015 HIGHWAY IMPROVEMENT PROGRAM

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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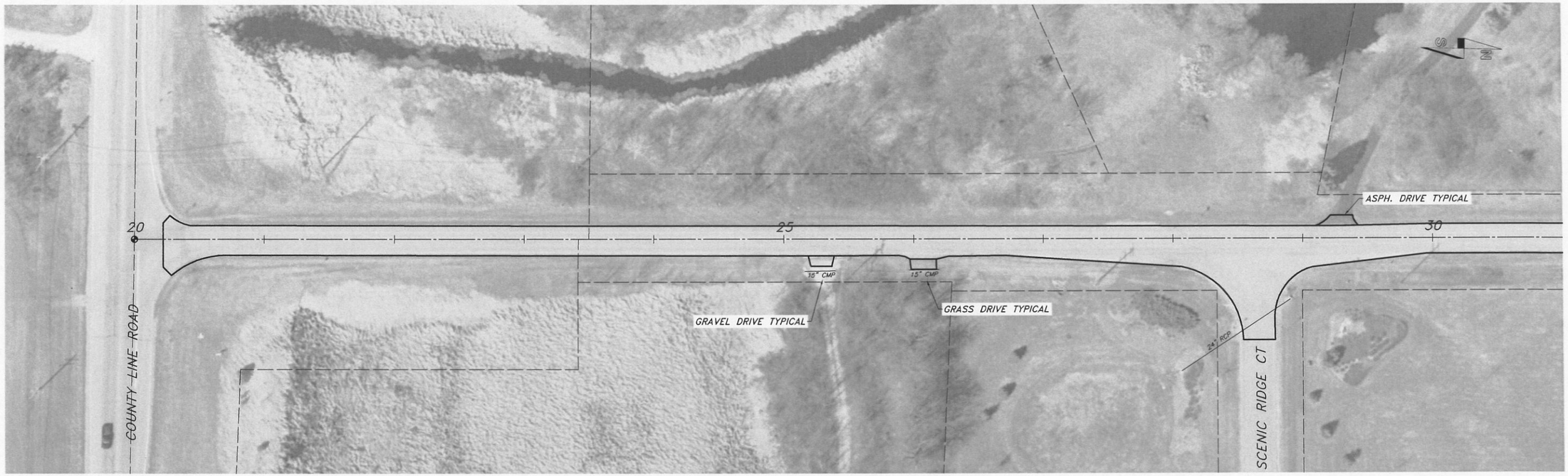

0 20 40
SCALE

20 22 24 26 28 30

1000
995
990
985
980
975
970

EXISTING CROWN GRADE

REVISED 12/18/14

SCALE : 1" = 40'H 4'V

PROJECT : # 2014.K048
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VILLAGE OF RICHFIELD, WISCONSIN
SCENIC DRIVE RESURFACING
2015 HIGHWAY IMPROVEMENT PROGRAM

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

SHEET 4 OF 16

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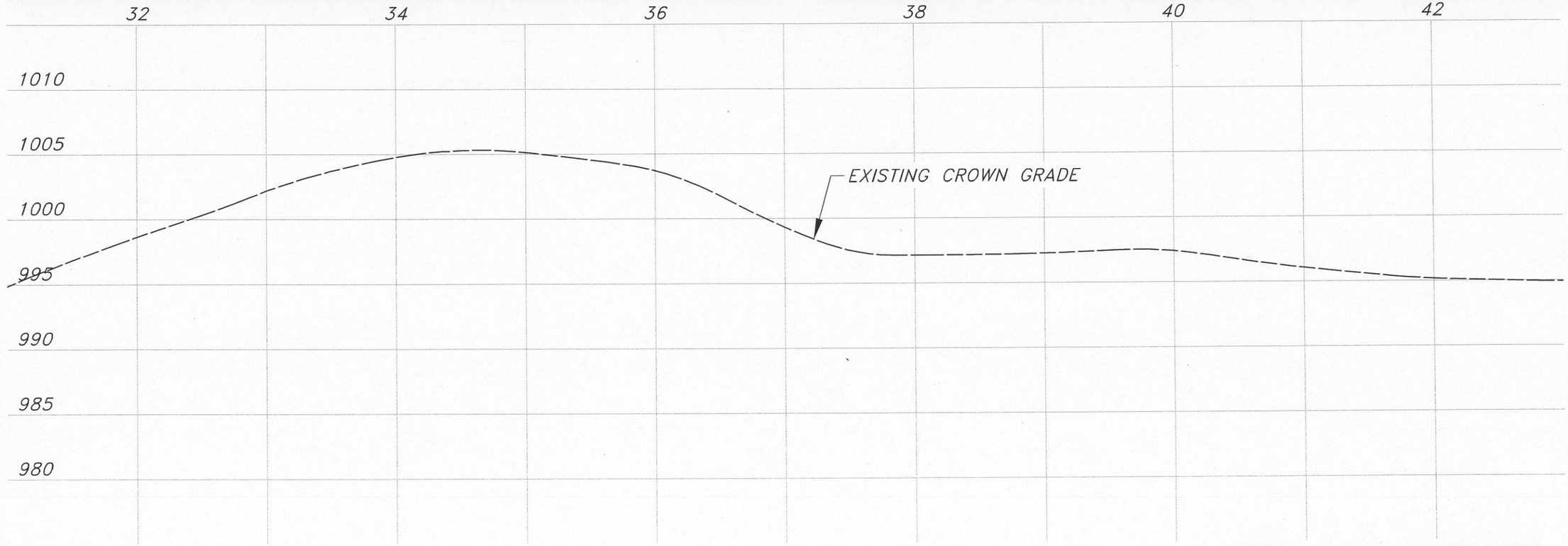
SCENIC DRIVE RESURFACING



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SCALE

REVISED 12/18/14

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KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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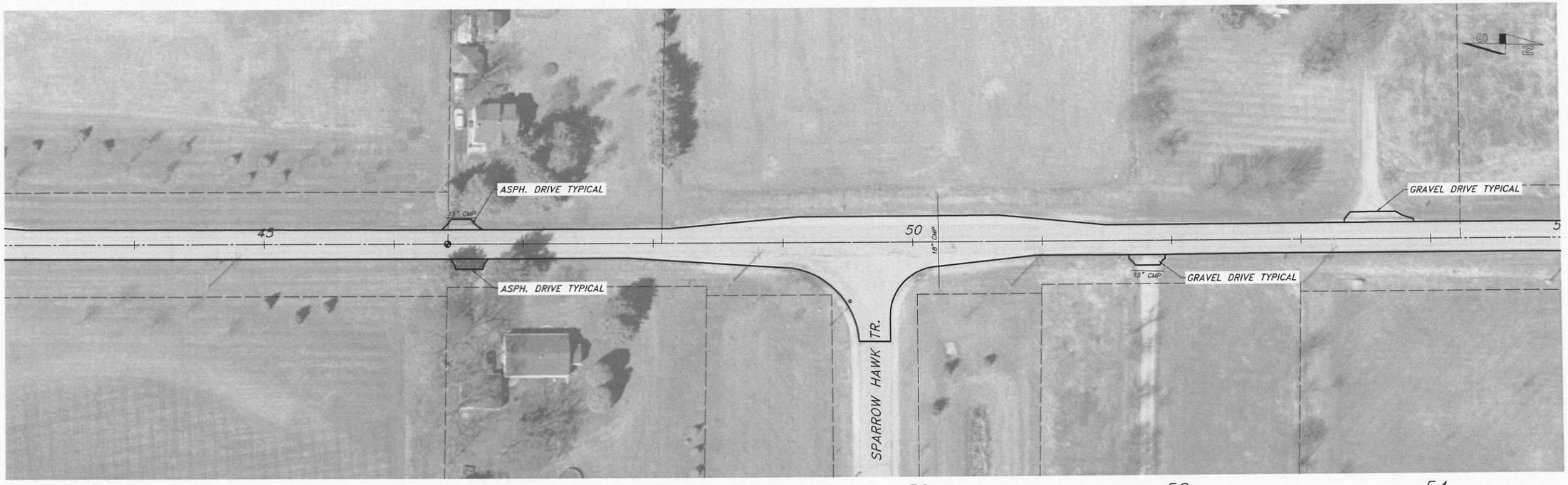

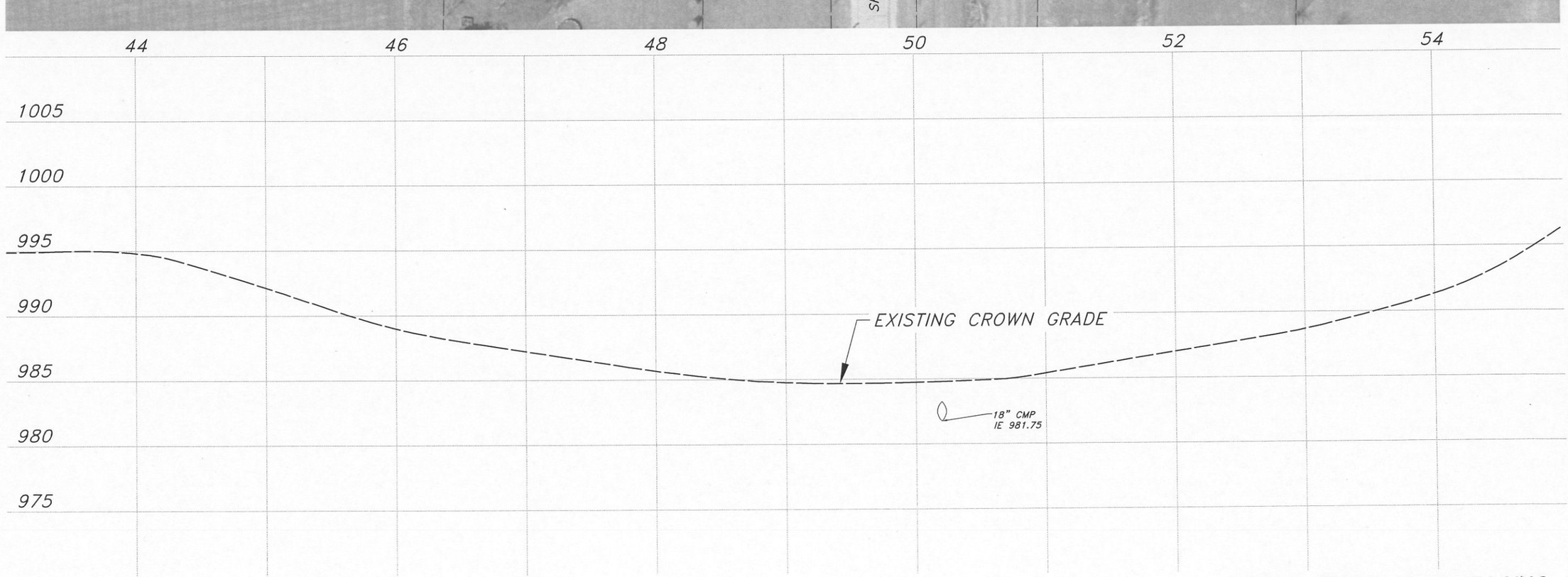

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SCALE

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KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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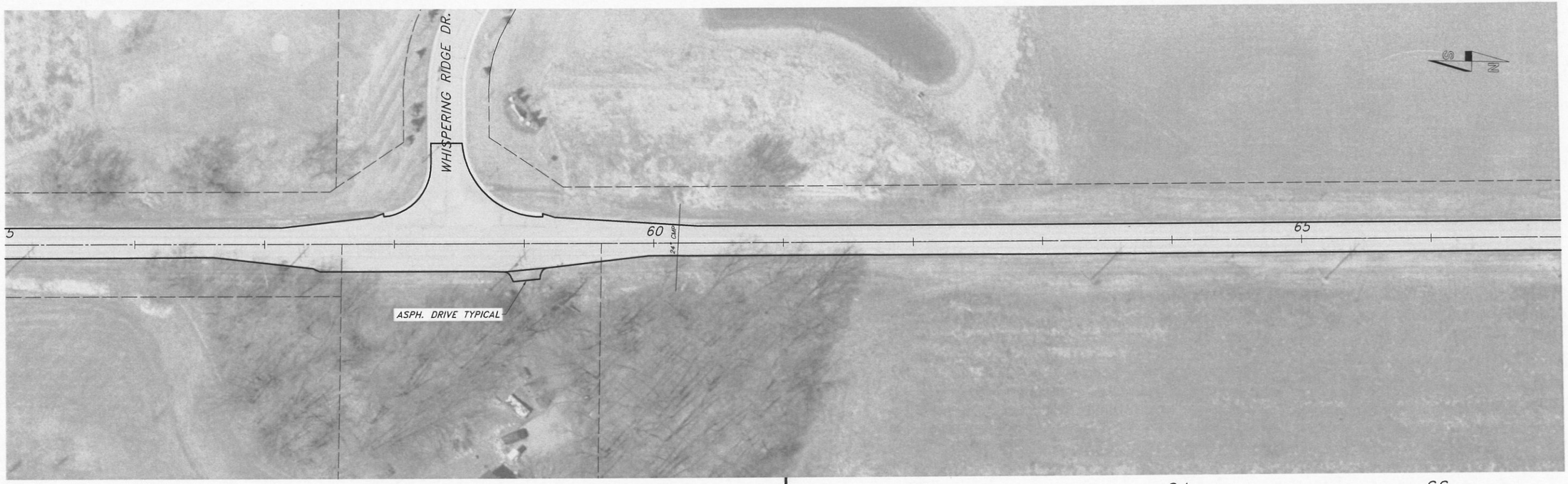

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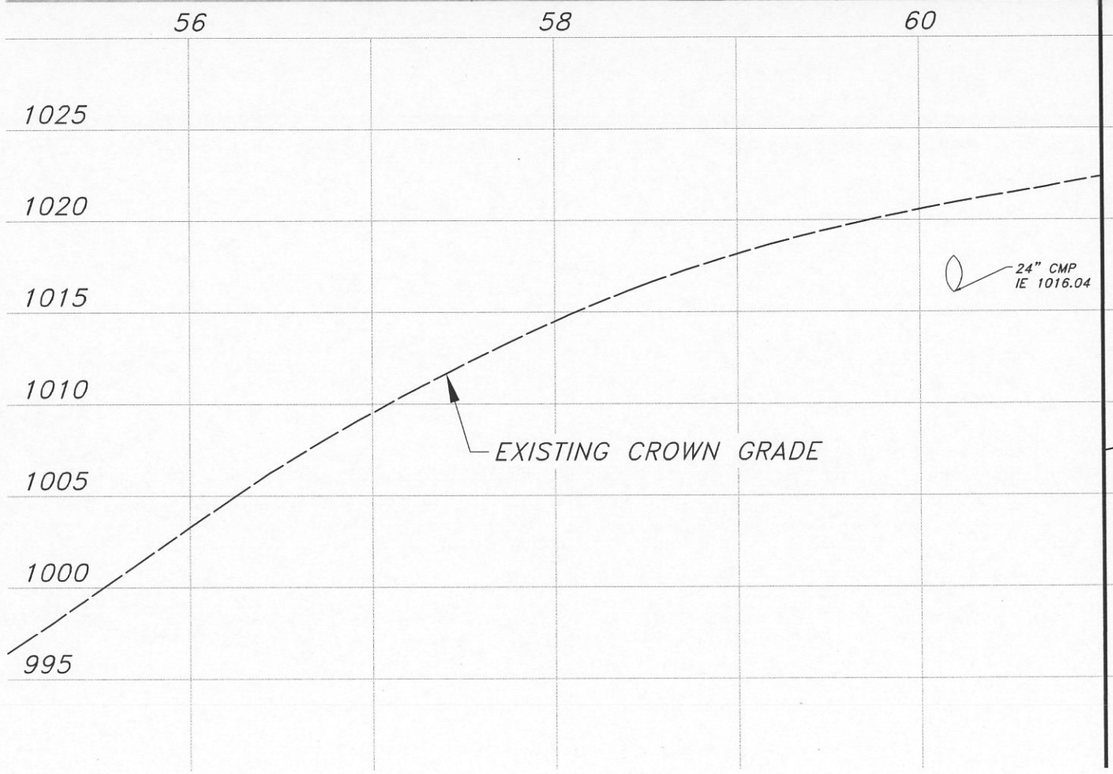

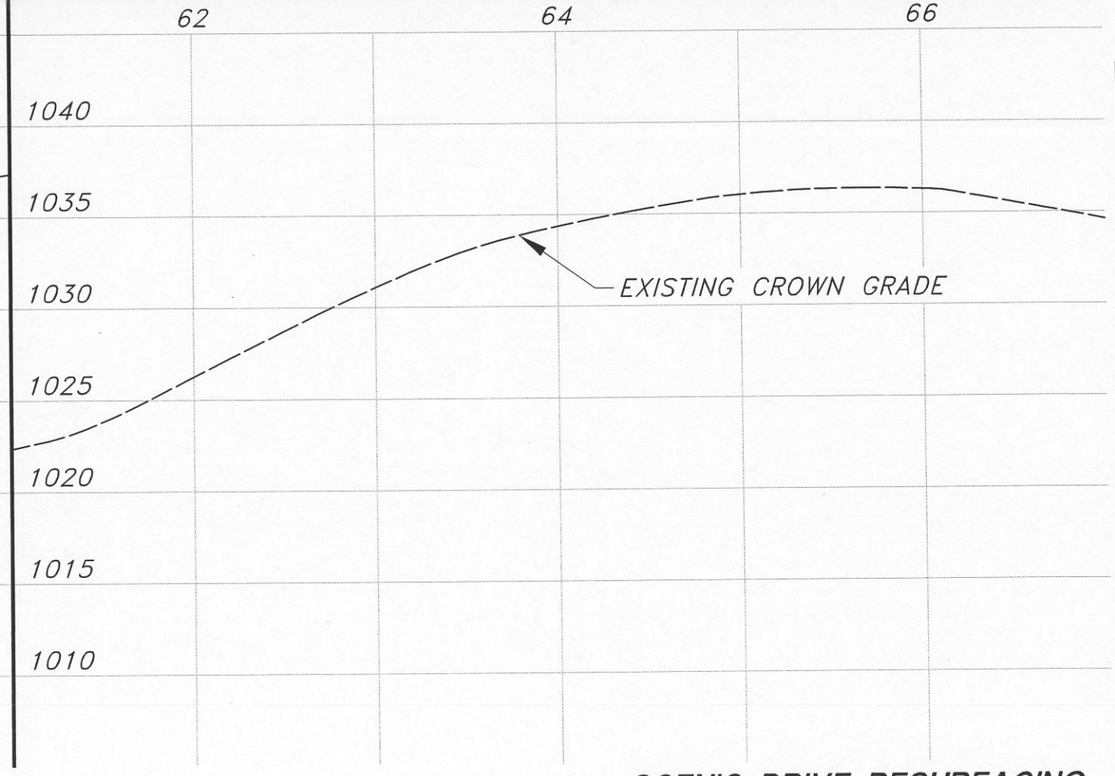

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KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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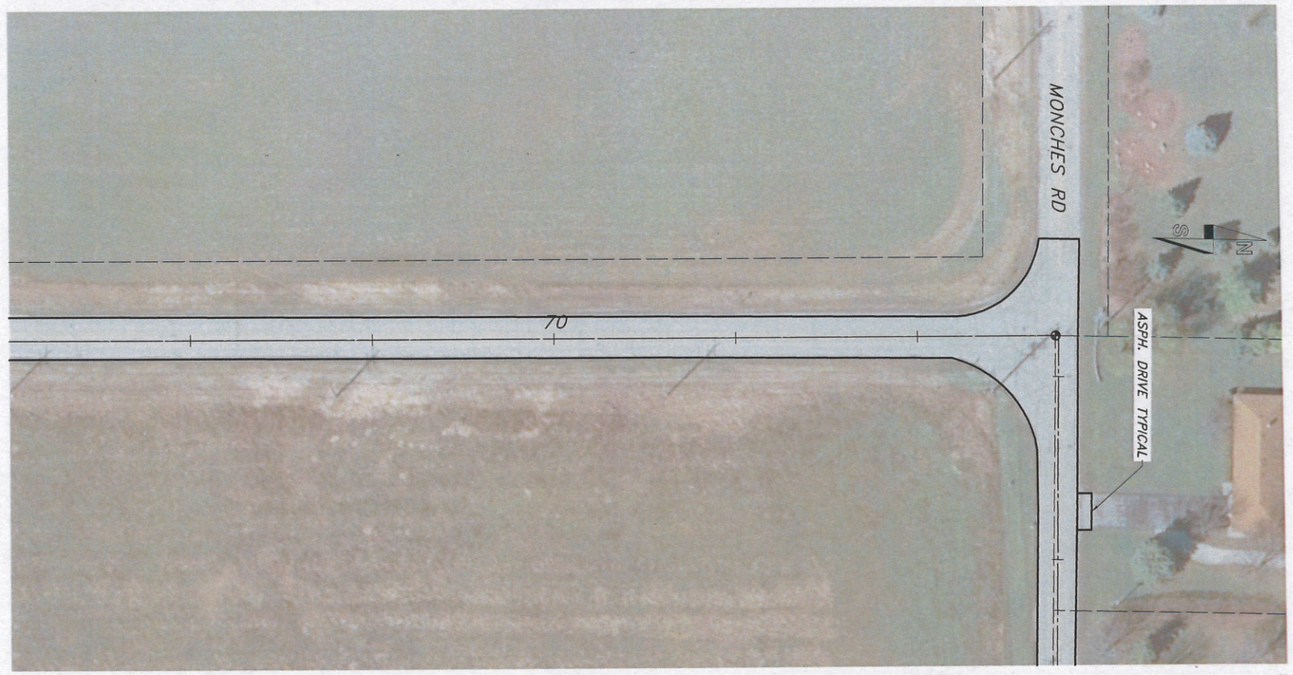

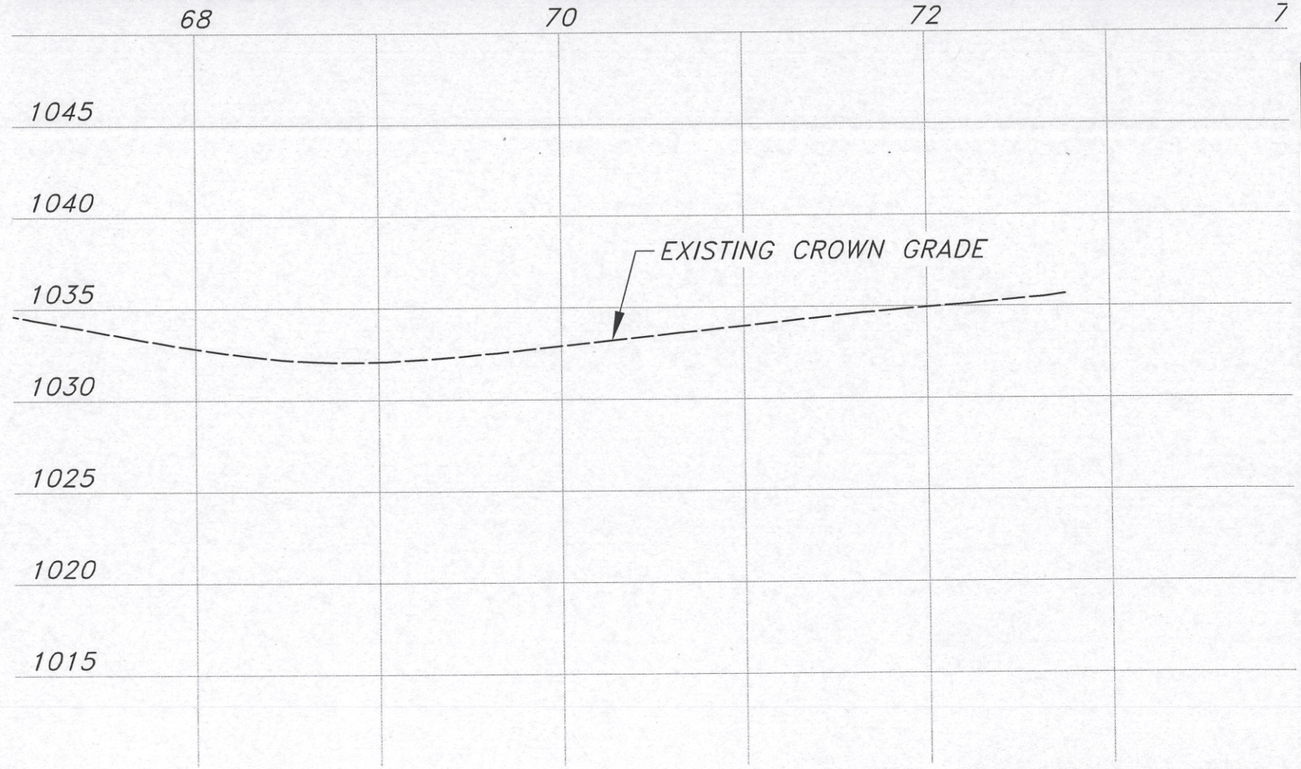

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SCALE

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KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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SCENIC DRIVE RESURFACING

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0 20 40
SCALE

72 74 76 78 80 82

1045
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1015

EXISTING CROWN GRADE

REVISED 12/18/14

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KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

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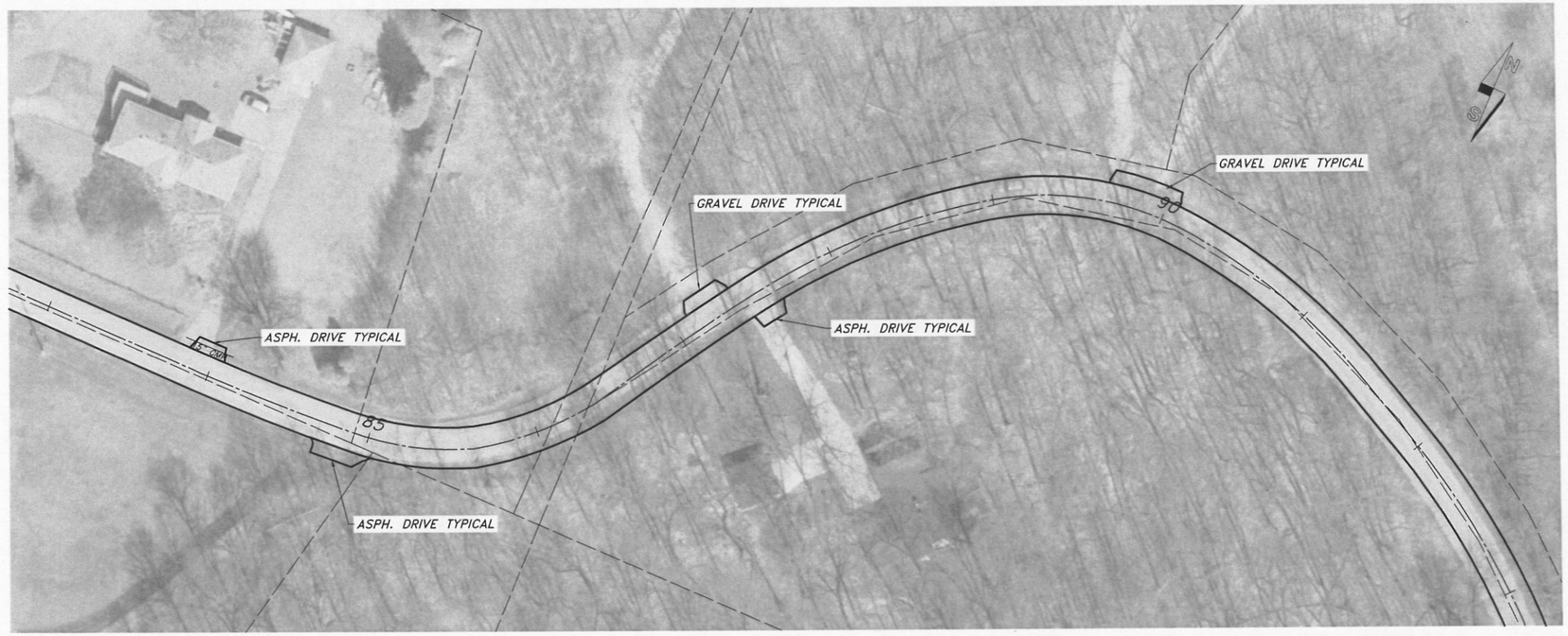
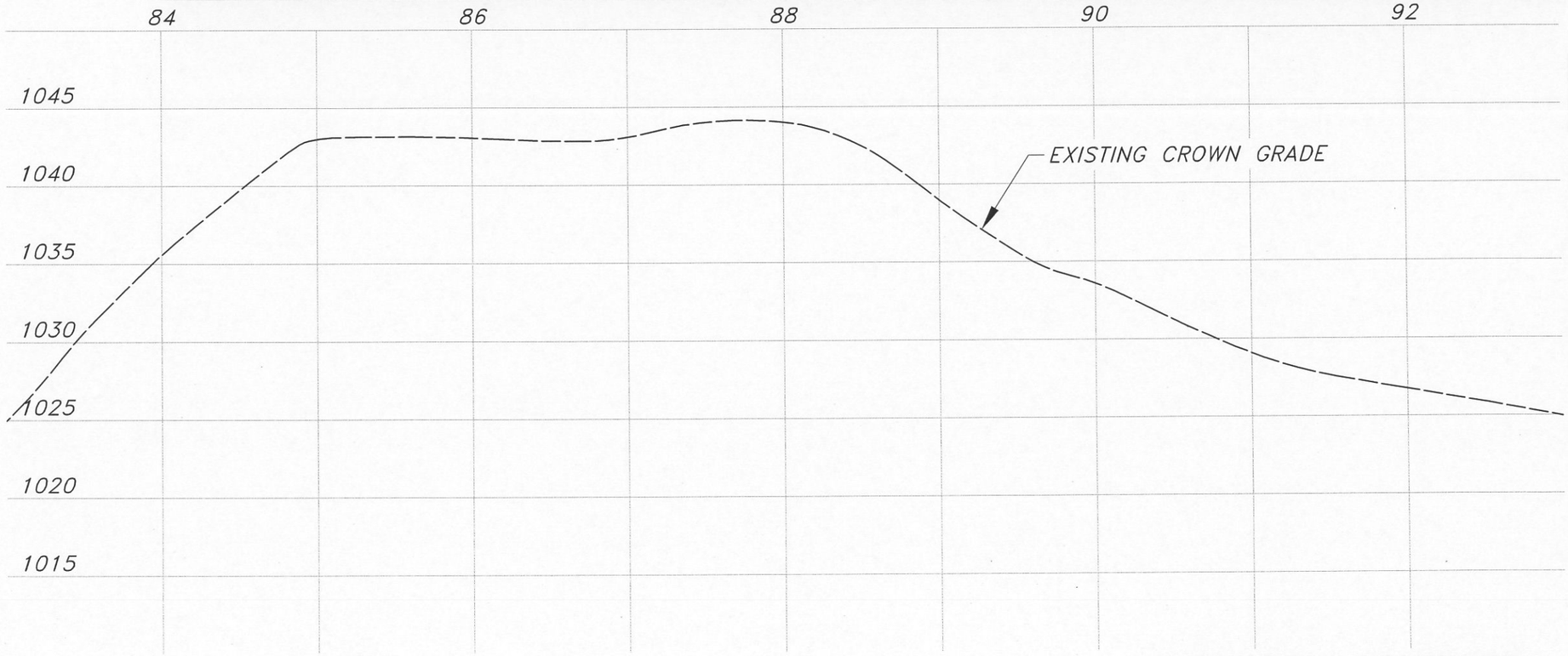
SCENIC DRIVE RESURFACING





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VILLAGE OF RICHFIELD, WISCONSIN
SCENIC DRIVE RESURFACING
2015 HIGHWAY IMPROVEMENT PROGRAM

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

SCENIC DRIVE RESURFACING

SHEET 10 OF 16

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0 20 40
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EXISTING CROWN GRADE

REVISED 12/18/14

SCALE : 1" = 40'H 4'V

PROJECT : # 2014.K048 | DATE : 11/19/14 | DRAWN BY : NAC | APPROVED BY : BAO

VILLAGE OF RICHFIELD, WISCONSIN
SCENIC DRIVE RESURFACING
2015 HIGHWAY IMPROVEMENT PROGRAM

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

SHEET 11 OF 16

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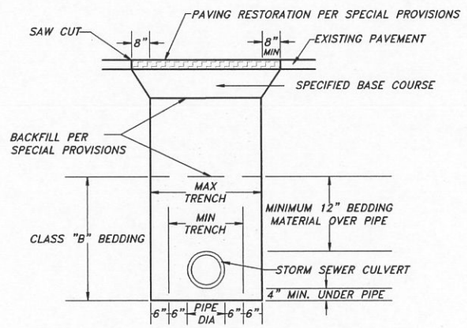
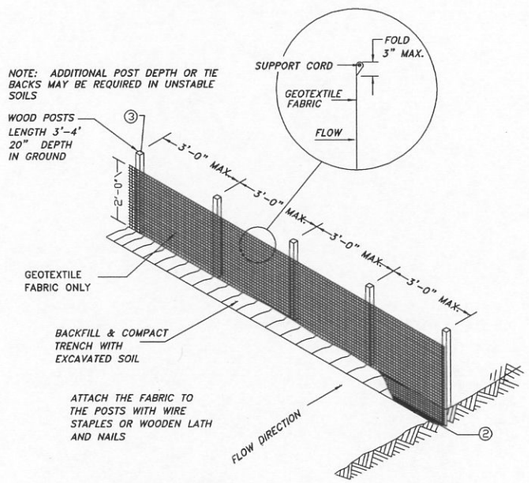
SCENIC DRIVE RESURFACING

EROSION CONTROL PLAN & DETAILS



STANDARD TRENCH DETAIL



* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE
(WDNR TECHNICAL STANDARD No. 1056)

STANDARD EROSION CONTROL PROVISIONS

General:
Implement Erosion Control Mitigation Procedures as specified herein. Install Silt Fence where called out on the plans per the standard detail and as directed by the Engineer. The Quantity of silt fence at any location may vary based on field conditions and will be paid for at the contract unit price for silt fence. Implementation of Erosion Control Mitigation Procedures, which are not provided for on a unit cost basis, will be considered incidental to the Bid Price for the associated construction in the area.

Specific Erosion Control Mitigation Procedures shall consist of the following as applicable:

1. Refer to WDNR's Stormwater web page of technical standards ❷
http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#Construction

2. Construct and maintain all erosion and sediment control measures in accordance with the WDNR's Stormwater web page of technical standards ❷
http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#Construction

3. Install sediment control measures prior to any grading or disturbance of existing surface material. Adjust all sediment control measures to meet field conditions at the time of construction.

4. Provide weekly inspection and maintenance of all sediment control structures to ensure intended purpose is accomplished. Sediment control measures are to be in working condition at the end of each working day.

5. Inspect sediment control structures for integrity after any rainfall of 1/2" or greater. Correct any damaged structures for integrity.

6. Do not remove sediment control measures until the areas served have established vegetative cover.

7. Collect tracked soil from paved roads located near the construction site. All streets shall be swept and cleared of all dirt and debris immediately.

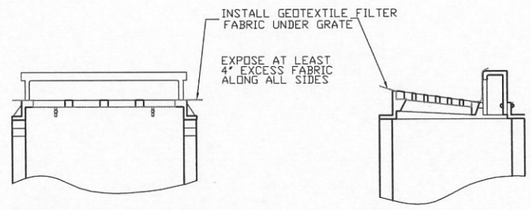
8. Prevent overland flow from leaving the work site by installing straw bale or fabric filter fencing parallel to the contours located downhill from the work area.

9. Sediment control for pipeline construction.
a. Place excavated trench material on the high side of the trench.
b. Backfill, compact, and stabilize the trench immediately after pipe installation.

10. Seeding for construction site erosion control should be in accordance with the WDNR's Stormwater web page of technical standards ❷
http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm#Construction

11. All land disturbance and stabilization for this project will occur between April 15th and September 15th. Warm season seeding can be used during this time period. If seeding occurs between October 15th and November 15th a temporary seed mix should be used, and should seeding extend past November 15th, a dormant seed must be used. Seed shall not be applied on top of snow.

12. Temporary seeding applies to disturbed areas which land-disturbing activities will not be performed for a period greater than 30 days and requires vegetative cover for less than one year. Permanent seeding applies to areas where perennial vegetative cover is needed. All seeding species, rates, and installation practices shall conform to WDNR Conservation Practice Standard 1059.



NOTES: GEOTEXTILE FILTER FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAX. MESH SPACING OF 3/4" OR EQUAL. A HEAVY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED. FOLD FABRIC 3" OVER NYLON CORD.

INLET PROTECTION

Exceptions to NR 151 Post-Construction Performance Standard

NR 151.24.1 – Generally exempts the following work:

Reconditioning or resurfacing of a highway. NR 151.24.1(c)
Per s.84.013(1)
Resurfacing means the installation of a new pavement, without improvements to road capacity or geometrics, but may include culvert replacement, clear zone improvement, and intersection improvements.
Reconditioning means work in addition to resurfacing such as pavement and shoulder widening and includes isolated improvements to address safety such as grade, alignment, or intersection work.

Minor reconstruction of a highway. NR 151.24.1(d)
Per NR 151.21(5)
Minor Reconstruction means reconstruction that is limited to 1.5 miles in continuous or aggregate length of realignment and that does not exceed 100 feet of roadbed widening.

Redevelopment transportation facility with no increase in exposed parking lots or roads. NR 151.24.1(e)

Routine maintenance of transportation facilities. NR 151.24.1(j)
If performed to maintain the original line and grade, hydraulic capacity or original use of the facility.

REVISED 12/18/14

SCALE : NTS

PROJECT : # 2014.K048
DATE : 11/19/14
DRAWN BY : NAC
APPROVED BY : BAD

VILLAGE OF RICHFIELD, WISCONSIN
EROSION CONTROL PLAN AND DETAILS
2015 HIGHWAY IMPROVEMENT PROGRAM

KUNKEL engineering group
107 Parallel Street
Beaver Dam, WI 53916
(920)356-9447
Fax (920)356-9454

SHEET 16 OF 16

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