WOODS ROAD TRAIL CONSTRUCTION

CITY OF MUSKEGO, WISCONSIN

GRAEF

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1469
414 / 259 1500
414 / 259 0037 fax

www.graef-usa.com

LEGEND AND ABBREVIATIONS

	TRAVERSE POINT
	CONCRETE MONUMENT W/BRASS CAP
	POWER POLE
	LIGHT POLE
	TELEPHONE POLE
	SERVICE POLE
FLAG	FLAG POLE
	MANHOLE
	STORM INLET
WV	WATER VALVE
GV	GAS VALVE
	FIRE HYDRANT
	MAIL BOX
	ELECTRIC TRANSFORMER
	TELEPHONE PEDESTAL
	CONTROL BOX
	RAILROAD SIGNAL
	TRAFFIC SIGNAL
GUY	GUY WIRE
MON	MONUMENT
1"IP	1" IRON PIPE
2"IP	2" IRON PIPE
VENT	VENT PIPE
WELL	WELL
EL R	ELECTRIC RISER
	PULL BOX
A/C	AIR CONDITIONER
	DECIDUOUS TREE
ASPH.	ASPHALT
BSM'T.	BASEMENT
BIT.	BITUMINOUS
CB.	CATCHBASIN
C/L	CENTERLINE
CONC.	CONCRETE
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
C. & G.	CURB & GUTTER
DRAIN T.	DRAIN TILE
D.I.P.	DUCTILE IRON PIPE
DWY.	DRIVEWAY
ECC.	ECCENTRIC
EXIST.	EXISTING
F.F.	FIRST FLOOR
FM.	FORCE MAIN
G.V.	GAS VALVE
GR.	GRAVEL
G.W.	GUY WIRE
HYD.	HYDRANT
INL.	INLET

GRD	GUARD POST
M.P.	MARKER POST
SEPTIC	SEPTIC TANK
TILE	DRAIN TILE
PVC P	PVC PIPE
CO	CLEANOUT
SUMP D	SUMP DISCHARGE
IP	IRON PIPE
R BAR	REBAR
BM.	BENCH MARK
C.S.	CHISELED SQUARE
C.C.	CHISELED CROSS
SB	SOIL BORING
SMH	SIGNAL MANHOLE
EMH	ELECTRIC MANHOLE
TMH	TELEPHONE MANHOLE
GMH	GAS MANHOLE
WVP	WATER VALVE PIT
GP	GUY POLE
GSV	GAS SERVICE VALVE
WSV	WATER SERVICE VALVE
	CATCH BASIN
	WATER VAULT
	WATER VALVE BOX
	GAS VALVE BOX
TV	CABLE TV PEDESTAL
	CONIFEROUS TREE
	STUMP
	BUSH
I.E.	INVERT ELEVATION
I.P.	IRON PIPE
LAT.	LATERAL
MH.	MANHOLE
M.J.	MECHANICAL JOINT
PAV'T.	PAVEMENT
PROP.	PROPOSED
PVC	POLYVINYL CHLORIDE
PVC P.	PVC PIPE
R. BAR	REBAR
REQ'D.	REQUIRED
R.J.	RESTRAINED JOINT
SAN.	SANITARY
S.	SLOPE
STL.	STEEL
STM.	STORM
SUMP D.	SUMP DISCHARGE
TYP.	TYPICAL
VENT P.	VENT PIPE
WM.	WATER MAIN
W.V.	WATER VALVE
W/	WITH

	POWER POLE W/LIGHT
TANK	TANK
	GROUND LIGHT
GRT	GRATE
	TELEPHONE BOOTH
GATE	GATE POST
METAL	METAL POST
FUEL	FUEL TANK
	PARKING METER
	SPRINKLER
	HANDHOLE
W	WATER METER
FIRE ALRM	FIRE ALARM
POL	POLICE TELEPHONE
	MISCELLANEOUS METER
propane	PROPANE TANK
WOOD	WOOD POST
	HIGH TENSION TOWER
MWELL	MONITORING WELL
C	COMBINED POWER POLE
A	ABANDONED POLE
FNC	FENCE POST
YL	YARD LIGHT
	DELINEATOR POST
	MARSH AREA
	SIGN

	EDGE OF BRUSH
	EDGE OF WOODS
	HEDGE ROW
	RIP RAP
	CHAIN LINK FENCE
	WOOD FENCE
	SPLIT RAIL FENCE
	WOVEN WIRE FENCE
	GUARD RAIL
TV	BURIED CABLE TV
E	BURIED ELECTRIC LINE
OHE	OVERHEAD ELECTRIC LINE
FP	BURIED FIRE PROTECTION
	BURIED FIBER OPTIC
G	BURIED GAS MAIN
	BURIED FORCE MAIN
SG	BURIED SIGNAL LINE
	BURIED SANITARY SEWER
	BURIED STEAM LINE
	BURIED STORM SEWER
T	BURIED TELEPHONE LINE
OHT	OVERHEAD TELEPHONE LINE
	BURIED WATER MAIN
P.L.	EXISTING PROPERTY LINE
R/W	EXISTING RIGHT OF WAY
EASE	EXISTING EASEMENT
	EXISTING WETLAND

BENCH MARKS

B.M. #1 – FOUND CHISELED "+" IN TOP OF FIRE HYDRANT NOZZLE AT THE NORTHEAST CORNER OF WOODS RD. AND ENTRANCE TO MUSKEGO REGENCY CONDO. ELEVATION = 788.71

B.M. #2 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S86 W17916. ELEVATION = 789.54

B.M. #3 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. FIRST HYDRANT WEST OF HOUSE S84 W17698. ELEVATION = 789.10

B.M. #4 – NORTHEAST BOLT ON TOP FLANGE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF WOODS RD. AND CLEARBROOK DR. ELEVATION = 793.88

B.M. #5 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S83 W17323. ELEVATION = 785.75

B.M. #6 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S82 W17262. ELEVATION = 786.99

B.M. #7 – CHISELED "+" IN THE NORTHEASTERLY ANCHOR BOLT FOR GUARDRAIL OF CONCRETE BRIDGE AT THE SOUTHEAST CORNER OF THE BRIDGE. ELEVATION = 781.65

B.M. #8 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF WOODS RD. AND GREEN ST. ELEVATION = 787.15

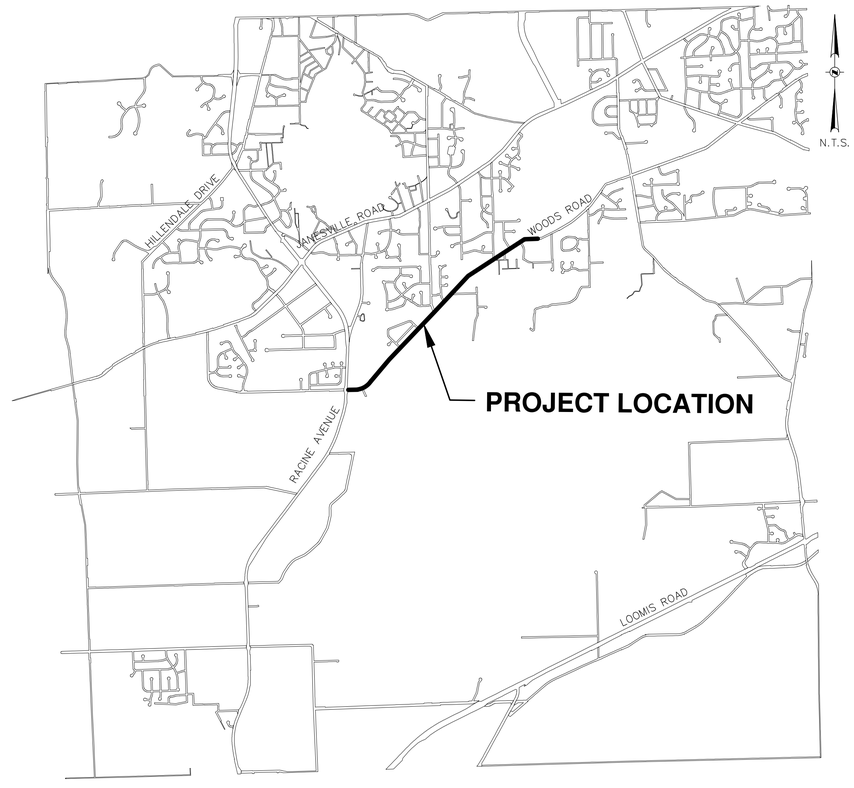
B.M. #9 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S81 W16850. ELEVATION = 785.98.

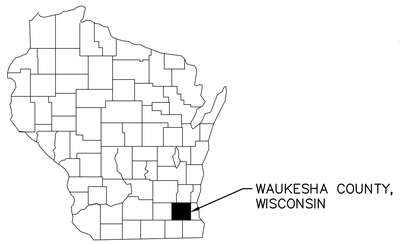
B.M. #10 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S79 W16655. ELEVATION = 788.65.

B.M. #11 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF WOODS RD. AND SEAFARER PASS. ELEVATION = 787.14

B.M. #12 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT ON THE NORTH SIDE OF WOODS RD. AT HOUSE S77 W16012. ELEVATION = 783.90.

B.M. #13 – NORTHWEST BOLT ON TOP FLANGE OF FIRE HYDRANT AT THE SOUTHEAST CORNER OF WOODS RD. AND Q. ELEVATION = 788.39

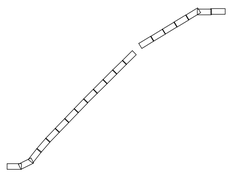




COUNTY MAP

NOT TO SCALE

KEY MAP:



SHEET INDEX

#	SHEET TITLE
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C101	EROSION CONTROL AND DEMOLITION PLAN
C102	EROSION CONTROLAND DEMOLITION PLAN
C103	EROSION CONTROL AND DEMOLITION PLAN
C104	EROSION CONTROL AND DEMOLITION PLAN
C105	EROSION CONTROL AND DEMOLITION PLAN
C106	EROSION CONTROL AND DEMOLITION PLAN
C107	EROSION CONTROL AND DEMOLITION PLAN
C108	EROSION CONTROL AND DEMOLITION PLAN
C109	EROSION CONTROL AND DEMOLITION PLAN
C200	TRAIL LAYOUT PLAN
C201	TRAIL LAYOUT PLAN
C202	TRAIL LAYOUT PLAN
C203	TRAIL LAYOUT PLAN
C204	TRAIL LAYOUT PLAN
C205	TRAIL LAYOUT PLAN
C206	TRAIL LAYOUT PLAN
C207	TRAIL LAYOUT PLAN
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C300	GRADING AND UTILITY PLAN
C301	GRADING AND UTILITY PLAN
C302	GRADING AND UTILITY PLAN
C303	GRADING AND UTILITY PLAN
C304	GRADING AND UTILITY PLAN
C305	GRADING AND UTILITY PLAN
C306	GRADING AND UTILITY PLAN
C307	GRADING AND UTILITY PLAN
C308	GRADING AND UTILITY PLAN
C309	GRADING AND UTILITY PLAN
C900	CONSTRUCTION DETAIL SHEET
C901	CONSTRUCTION DETAIL SHEET
C902	CONSTRUCTION DETAIL SHEET

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

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GENERAL SURVEY NOTES

1. SURVEY WAS PREPARED BY GRAEF IN DECEMBER 2011. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.

2. COORDINATES ARE BASED ON THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY. NORTH AMERICAN DATUM OF 1983, 2007 ADJUSTMENT (NAD83(07)). VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C000_COVER_370

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

C000

DIGGER'S HOTLINE
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PROJECT ENGINEER: GRAEF

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EROSION CONTROL NOTES

1.) CONSTRUCTION SITE AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF MUSKEGO, AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION AND SEDIMENTATION CONTROL TECHNICAL STANDARDS.

2.) ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.

3.) PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT LEAVING THE PROJECT LIMITS. EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORK DAY.

4.) SILT FENCE SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON THE CONSTRUCTION PLANS.

5.) INLET PROTECTION SHALL BE INSTALLED ON ALL INLETS TO TRAP SEDIMENT.

6.) EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.

7.) ALL DISTURBED AREAS WILL BE PERMANENTLY STABILIZED BY THE APPLICATION OF SEED AND MULCH; THE TYPE OF SEED USED WILL BE WISDOT MIXTURE 40 AS SPECIFIED IN THE LATEST EDITION OF THE STATE OF WISCONSIN STANDARDS SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

8.) TYPE "C" EROSION CONTROL MATTING SHALL BE USED ON ALL SLOPES 3:1 OR GREATER AND AS DIRECTED BY FIELD ENGINEER. TYPE "C" EROSION MATTING SHALL BE INCIDENTAL TO THE EROSION CONTROL BID ITEM.

EROSION CONTROL MAINTENANCE PLAN

1.) WHERE EROSION CONTROL ACTIVITIES HAVE PERMANENTLY CEASED OR ARE SUSPENDED FOR MORE THAN 14 DAYS, OR WHEN FINAL GRADING IS COMPLETED FOR ANY PORTION OF THE SITE, STABILIZATION MEASURES SHALL BE IMPLEMENTED WITHIN SEVEN DAYS.

2.) ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE PER WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. WRITTEN REPORTS SHALL BE KEPT OF ALL EROSION AND SEDIMENTATION CONTROL INSPECTIONS AS REQUIRED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.(WDNR)

3.) SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN DEPOSITS REACH A DEPTH OF SIX INCHES. THE SILT FENCE SHALL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN AN EFFECTIVE BARRIER.

4.) ALL SEEDED AREAS SHALL BE RE-SEEDED AND MULCHED AS NECESSARY TO MAINTAIN A VIGOROUS, DENSE VEGETATED COVER.

5.) EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE SITE IS STABILIZED, AND PERMANENT VEGETATION IS FULLY ESTABLISHED ON ALL DISTURBED AREAS.

6.) WHEN THE SITE HAS UNDERGONE FINAL STABILIZATION A SIGNED NOTICE OF TERMINATION SHALL BE SENT TO THE WDNR BY THE CONTRACTOR.

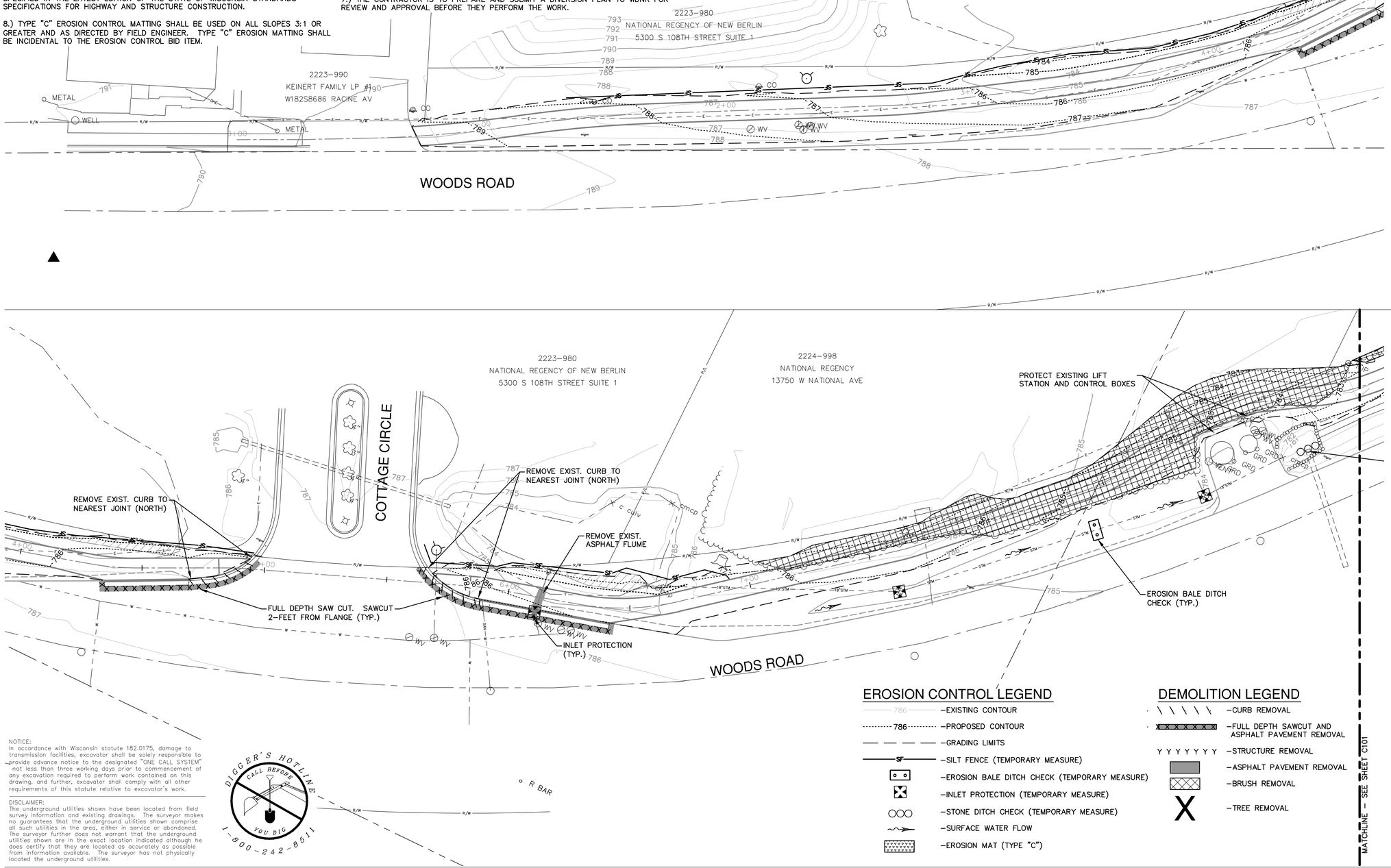
7.) THE CONTRACTOR IS TO PREPARE AND SUBMIT A DIVERSION PLAN TO WDNR FOR REVIEW AND APPROVAL BEFORE THEY PERFORM THE WORK.

EROSION CONTROL SEQUENCE OF CONSTRUCTION

1.) MOBILIZATION– INSTALL SILT FENCE, DITCH CHECKS, AND INLET PROTECTION AS SHOWN ON SHEETS C200–C209.
2.) PERFORM MASS EXCAVATION AND ROUGH GRADING AS NECESSARY FOR CONSTRUCTION.
3.) PERFORM PROPOSED CULVERT EXTENSIONS OF EXISTING 84–INCH AND 36–INCH CULVERTS AT QUIETWOOD CREEK CROSSING OF WOODS ROAD.
4.) PROVIDE RIP–RAP AS A VELOCITY DISSIPATION MEASURE AT THE ENDS OF THE EXTENSIONS. PROVIDE RIP–RAP AROUND THE ENDS OF THE EXTENSIONS FOR STABILIZATION OF THE SLOPE AT THE CULVERTS AND UNDERNEATH THE CULVERTS.
5.) COMPLETE TRAIL PAVING, INSTALLATION OF PERMANENT UTILITIES, AND FINAL GRADING.
6.) SEED AND MULCH DISTURBED AREAS.
7.) REMOVE EROSION CONTROL MEASURES ONCE THE SITE IS STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED AS APPROVED BY THE ENGINEER.

GENERAL NOTES

1. SEE SHEET C000 FOR SURVEY LEGEND, ABBREVIATIONS AND BENCHMARK DATA.
2. SEE SHEET C100 FOR EROSION CONTROL NOTES AND EROSION CONTROL MAINTENANCE PLAN.
3. CONTRACTOR SHALL SUPPORT POWER POLES FOR TRAIL CONSTRUCTION. (INCIDENTAL)
4. CONTRACTOR SHALL COORDINATE UTILITY CONFLICTS WITH THE APPROPRIATE UTILITY. (INCIDENTAL)



EROSION CONTROL LEGEND

- 786 –EXISTING CONTOUR
- 786 –PROPOSED CONTOUR
- –GRADING LIMITS
- SF –SILT FENCE (TEMPORARY MEASURE)
- –EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- –INLET PROTECTION (TEMPORARY MEASURE)
- –STONE DITCH CHECK (TEMPORARY MEASURE)
- –SURFACE WATER FLOW
- –EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- –CURB REMOVAL
- –FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- –STRUCTURE REMOVAL
- –ASPHALT PAVEMENT REMOVAL
- –BRUSH REMOVAL
- –TREE REMOVAL

NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

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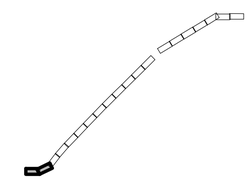
KEY MAP:



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WOODS ROAD TRAIL CONSTRUCTION

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DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:
C100

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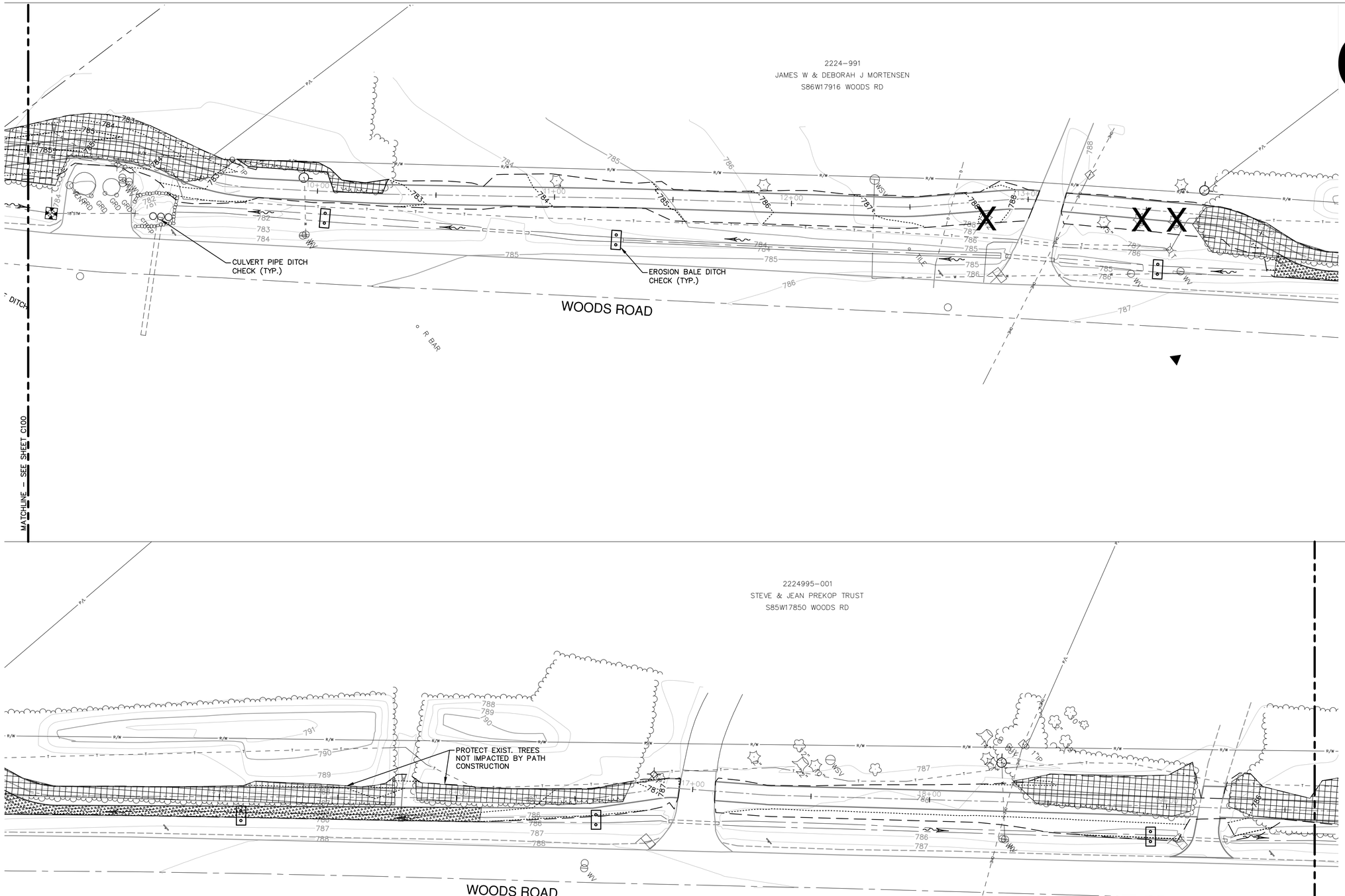

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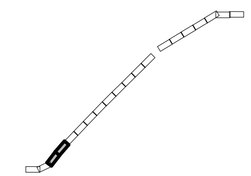

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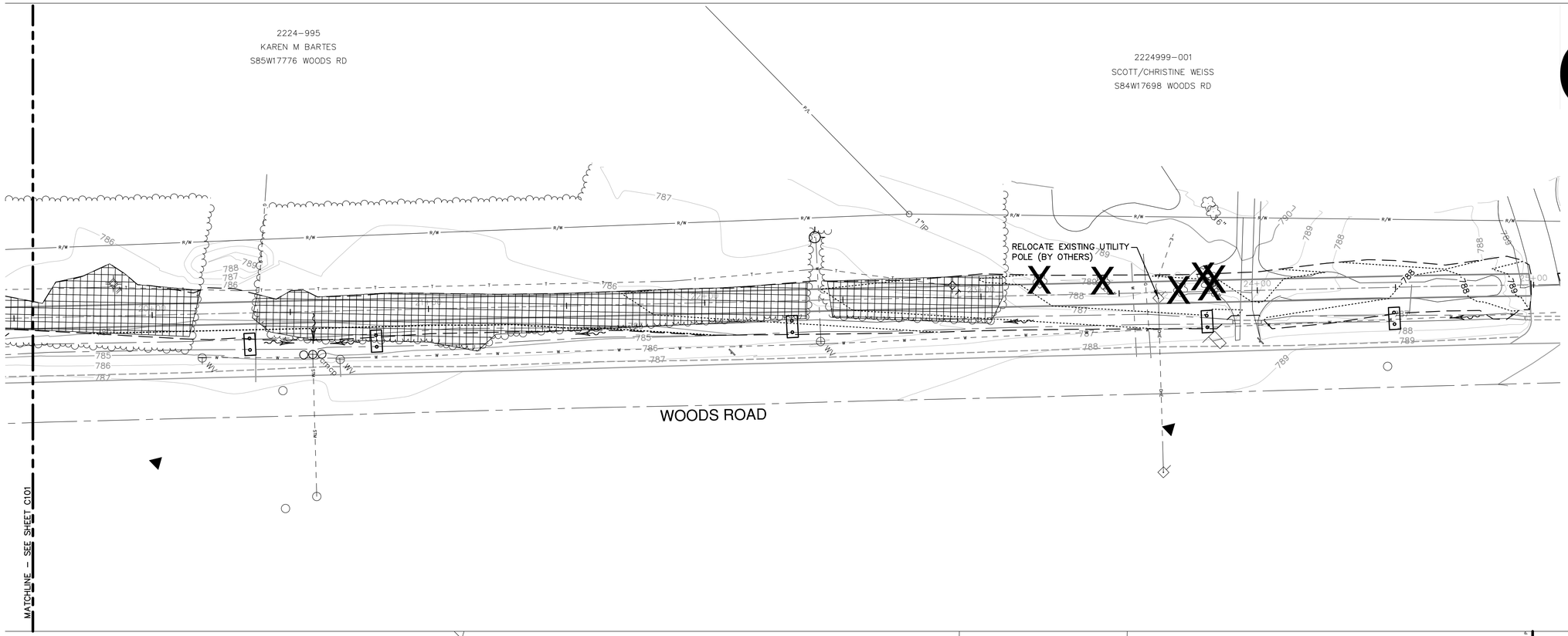
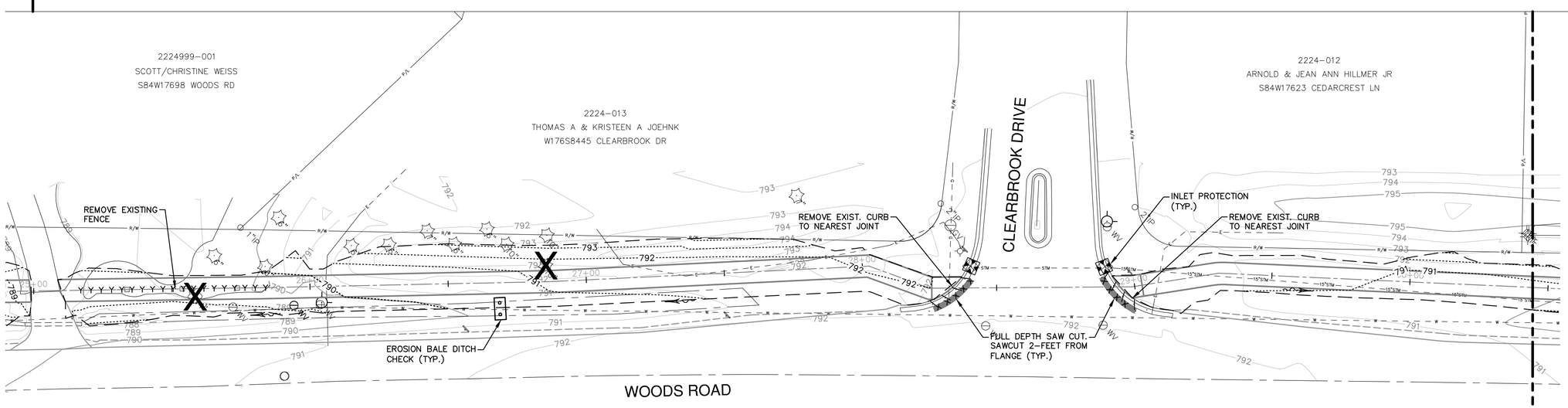
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:

C101





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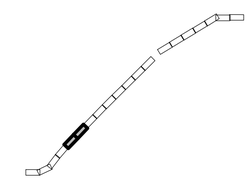

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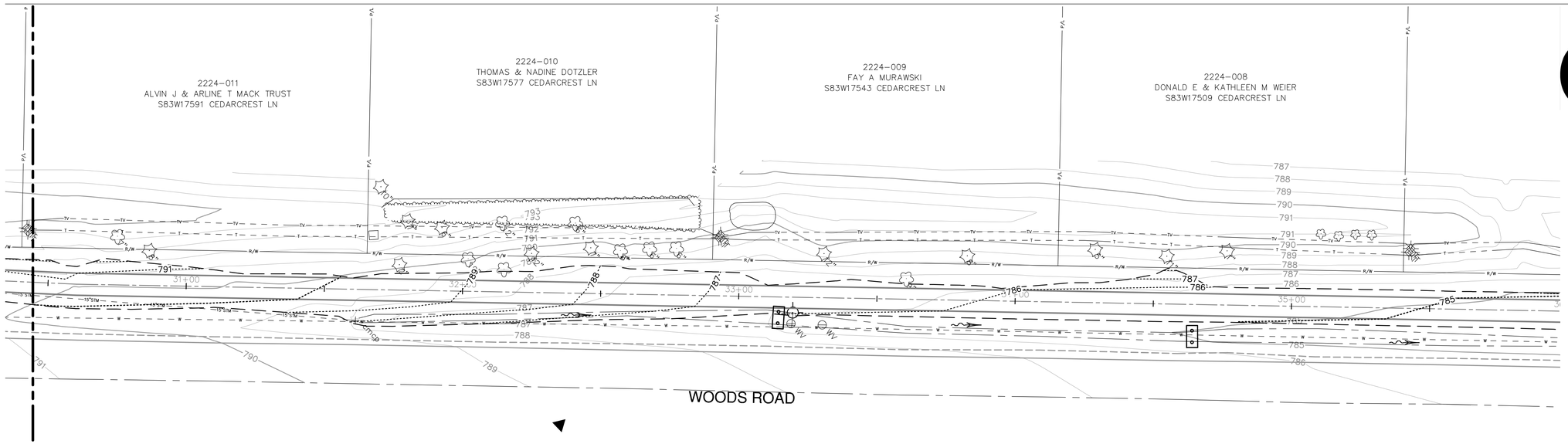
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

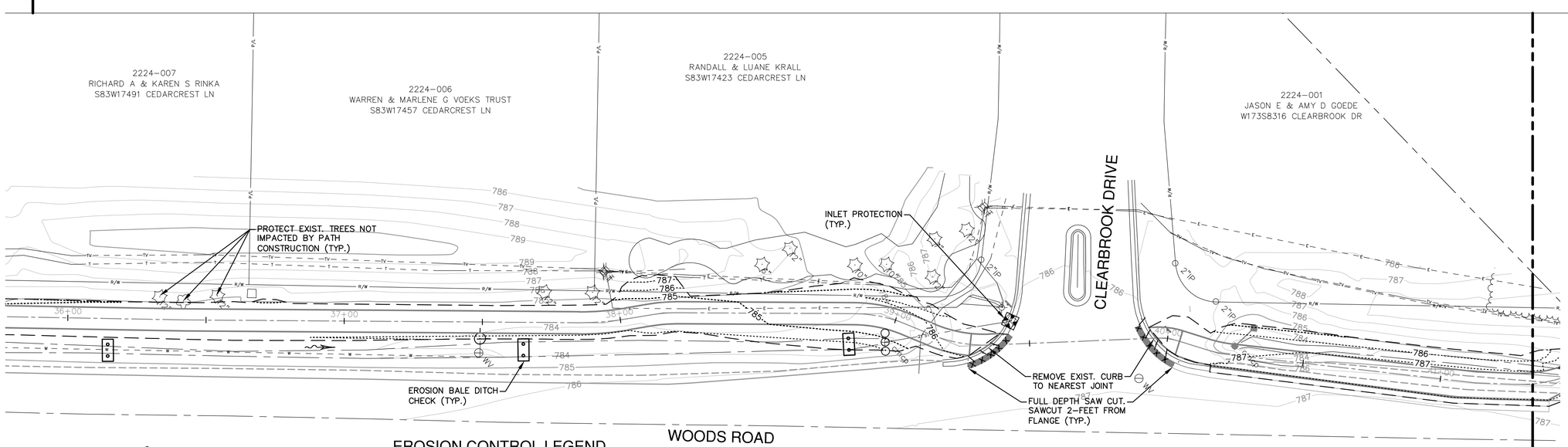
SHEET TITLE:

EROSION CONTROLAND DEMOLITION PLAN

SHEET NUMBER:

C102





MATCHLINE – SEE SHEET C102

MATCHLINE – SEE SHEET C104

EROSION CONTROL LEGEND

- 786 – EXISTING CONTOUR
- 786 – PROPOSED CONTOUR
- GRADING LIMITS
- SF – SILT FENCE (TEMPORARY MEASURE)
- EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- INLET PROTECTION (TEMPORARY MEASURE)
- STONE DITCH CHECK (TEMPORARY MEASURE)
- SURFACE WATER FLOW
- EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- CURB REMOVAL
- FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- BRUSH REMOVAL
- X – TREE REMOVAL

GENERAL NOTES

1. SEE SHEET C000 FOR SURVEY LEGEND, ABBREVIATIONS AND BENCHMARK DATA.
2. SEE SHEET C100 FOR EROSION CONTROL NOTES AND EROSION CONTROL MAINTENANCE PLAN.
3. CONTRACTOR SHALL SUPPORT POWER POLES FOR TRAIL CONSTRUCTION. (INCIDENTAL)
4. CONTRACTOR SHALL COORDINATE UTILITY CONFLICTS WITH THE APPROPRIATE UTILITY. (INCIDENTAL)

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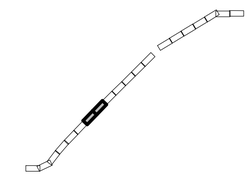
KEY MAP:



PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:
C103

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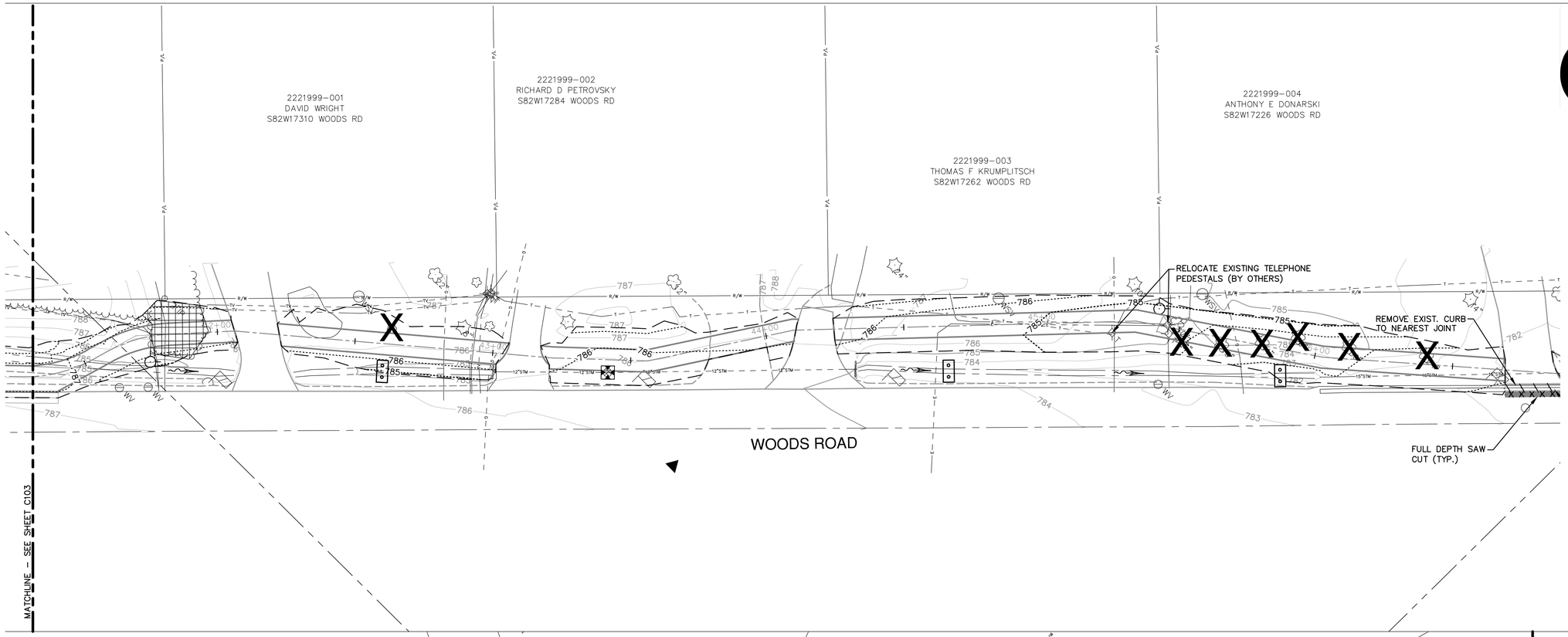

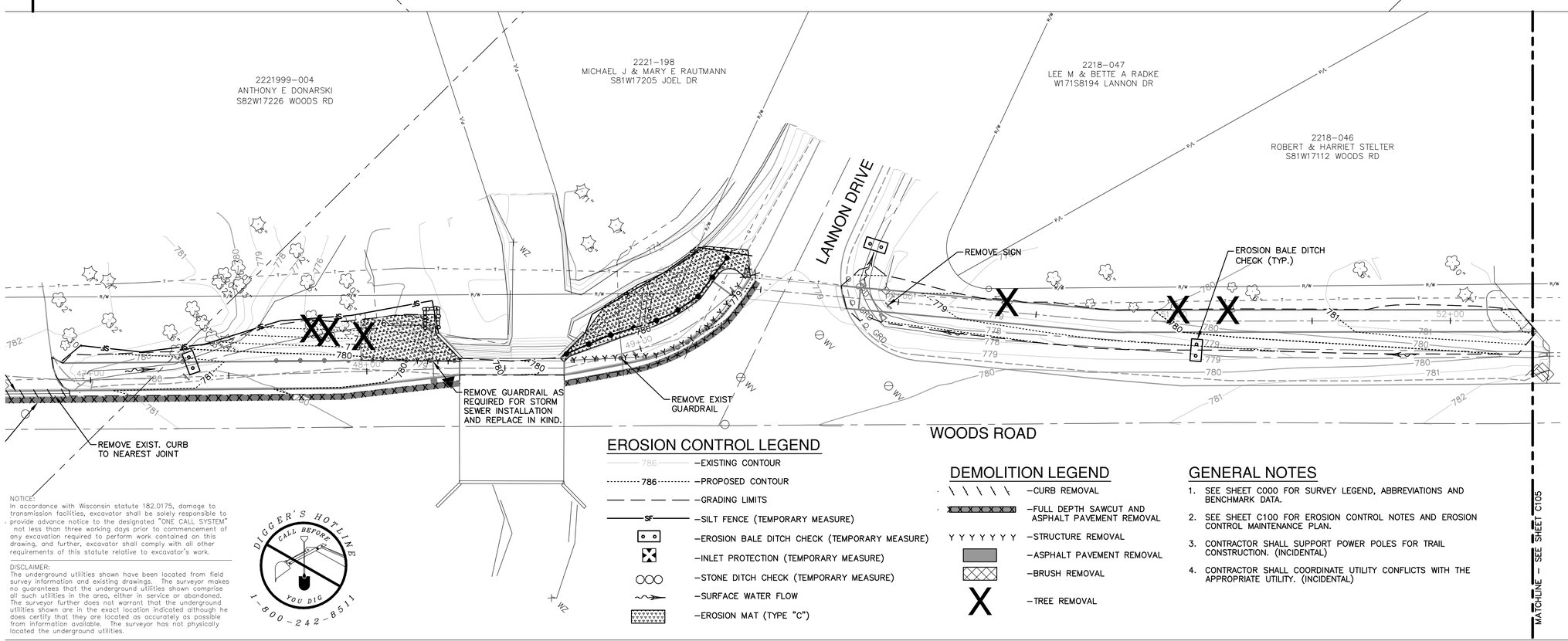

EROSION CONTROL LEGEND

- 786 — EXISTING CONTOUR
- 786 — PROPOSED CONTOUR
- GRADING LIMITS
- SF — SILT FENCE (TEMPORARY MEASURE)
- EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- INLET PROTECTION (TEMPORARY MEASURE)
- STONE DITCH CHECK (TEMPORARY MEASURE)
- SURFACE WATER FLOW
- EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- CURB REMOVAL
- FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- Y Y Y Y Y Y Y — STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- BRUSH REMOVAL
- X — TREE REMOVAL

GENERAL NOTES

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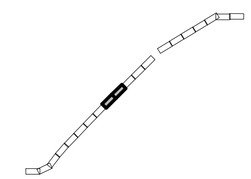
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

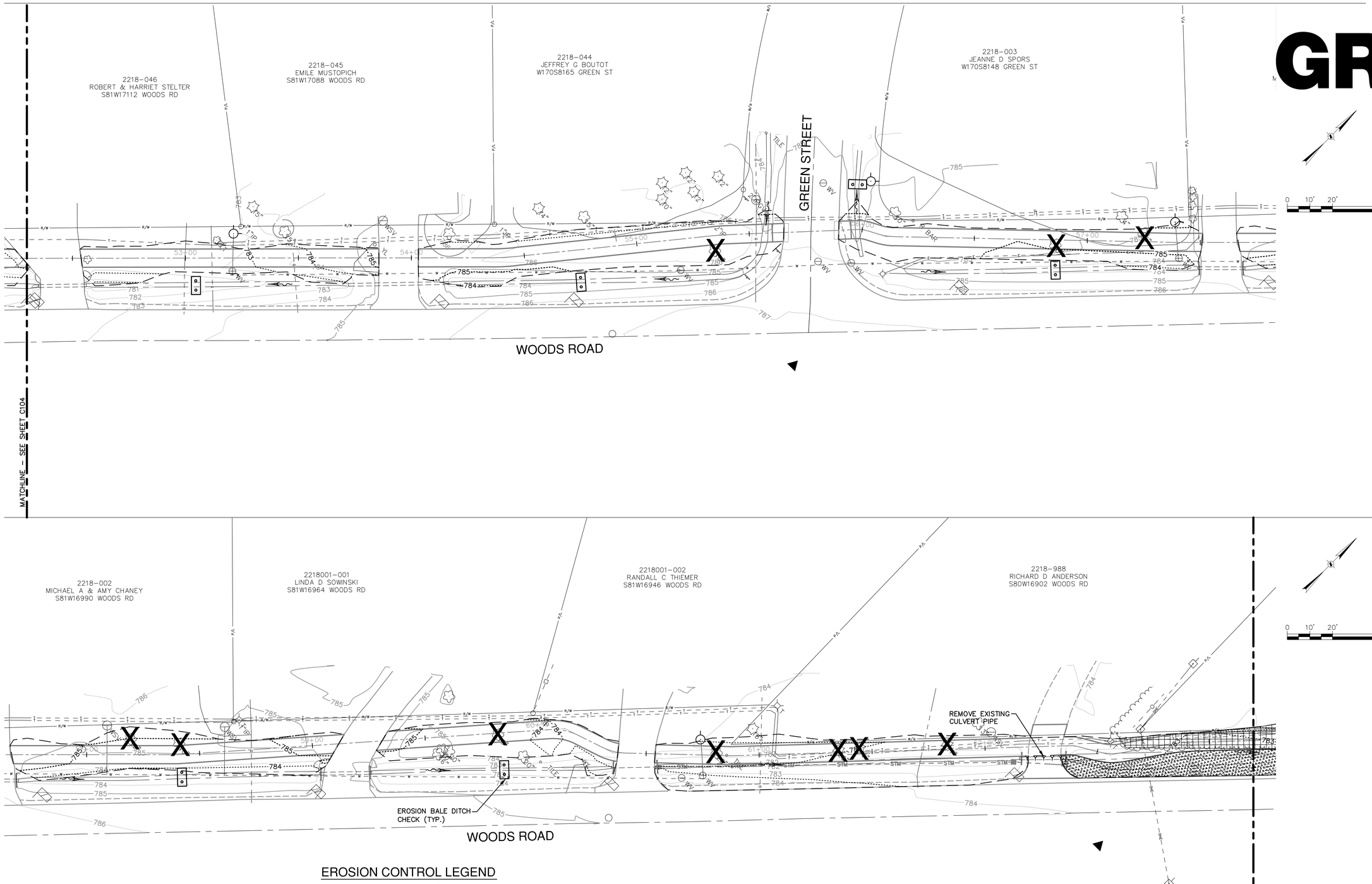
PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:

EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:

C104



EROSION CONTROL LEGEND

- 786 –EXISTING CONTOUR
- 786 –PROPOSED CONTOUR
- –GRADING LIMITS
- SF –SILT FENCE (TEMPORARY MEASURE)
- –EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- –INLET PROTECTION (TEMPORARY MEASURE)
- –STONE DITCH CHECK (TEMPORARY MEASURE)
- –SURFACE WATER FLOW
- –EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- –CURB REMOVAL
- –FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- Y Y Y Y Y Y Y –STRUCTURE REMOVAL
- –ASPHALT PAVEMENT REMOVAL
- –BRUSH REMOVAL
- X –TREE REMOVAL

GENERAL NOTES

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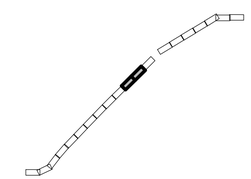


PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

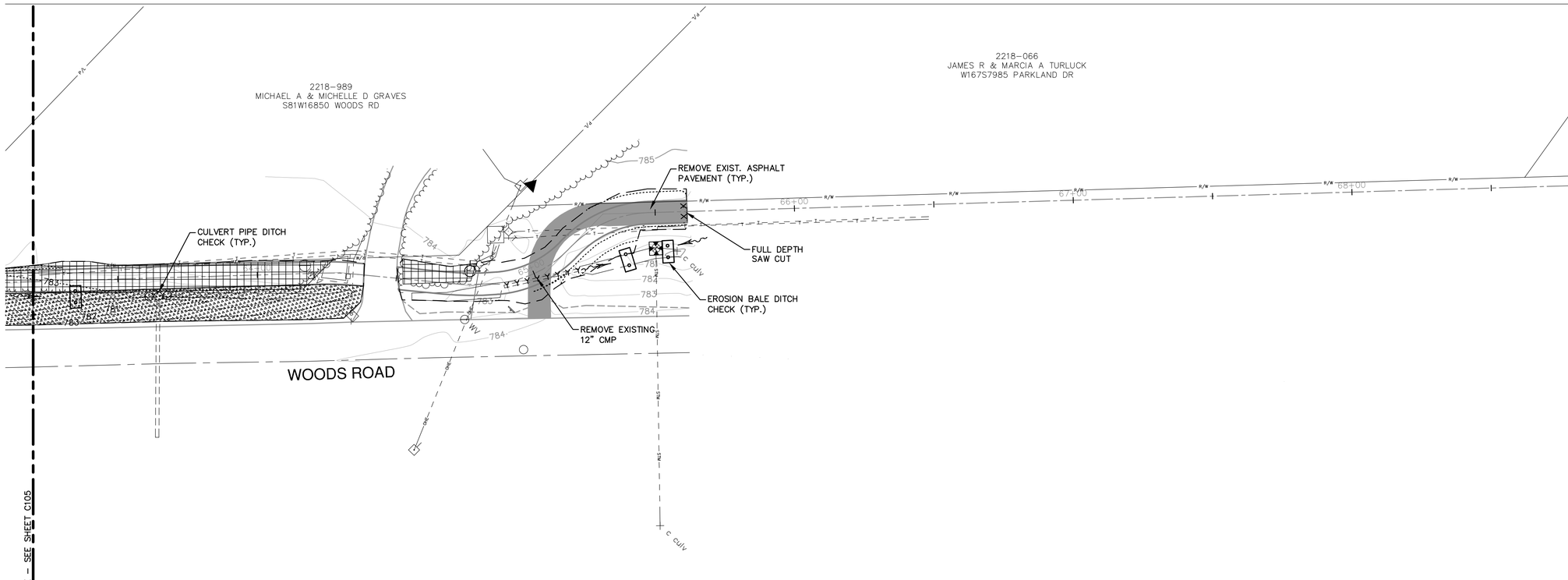
PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

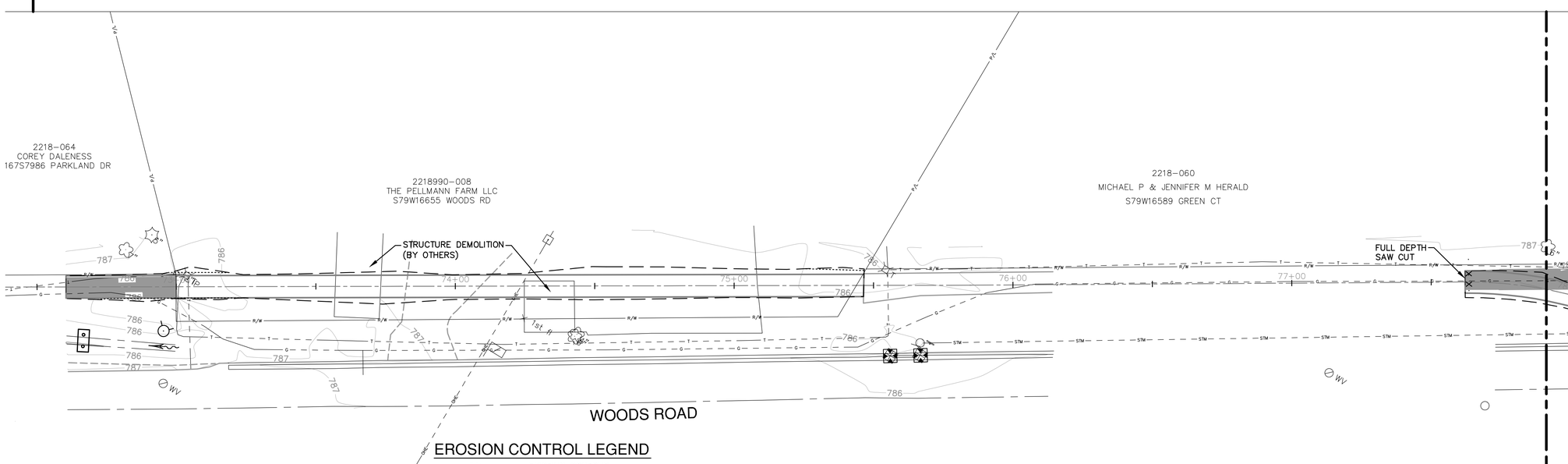
SHEET TITLE:

EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:

C105





EROSION CONTROL LEGEND

- 786 – EXISTING CONTOUR
- 786 – PROPOSED CONTOUR
- GRADING LIMITS
- SF – SILT FENCE (TEMPORARY MEASURE)
- EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- INLET PROTECTION (TEMPORARY MEASURE)
- STONE DITCH CHECK (TEMPORARY MEASURE)
- SURFACE WATER FLOW
- EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- CURB REMOVAL
- FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- Y Y Y Y Y Y Y – STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- BRUSH REMOVAL
- X – TREE REMOVAL

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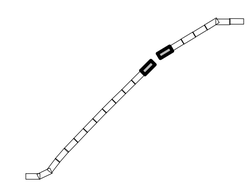

PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
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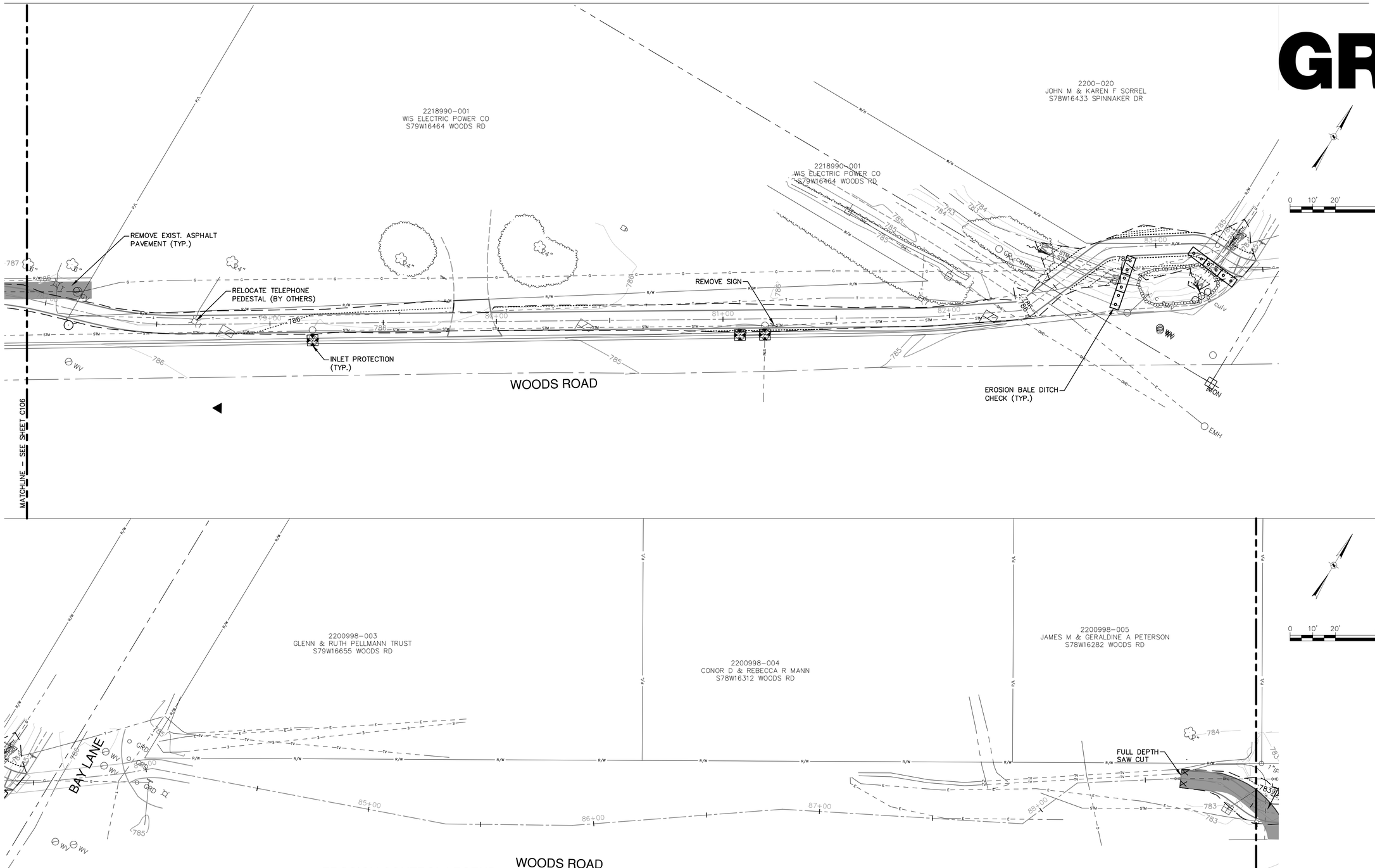
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:
C106



EROSION CONTROL LEGEND

- 786 – EXISTING CONTOUR
- 786 – PROPOSED CONTOUR
- GRADING LIMITS
- SF – SILT FENCE (TEMPORARY MEASURE)
- EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- INLET PROTECTION (TEMPORARY MEASURE)
- STONE DITCH CHECK (TEMPORARY MEASURE)
- SURFACE WATER FLOW
- EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- CURB REMOVAL
- FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- Y Y Y Y Y Y Y – STRUCTURE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- BRUSH REMOVAL
- X – TREE REMOVAL

GENERAL NOTES

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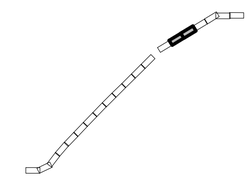
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

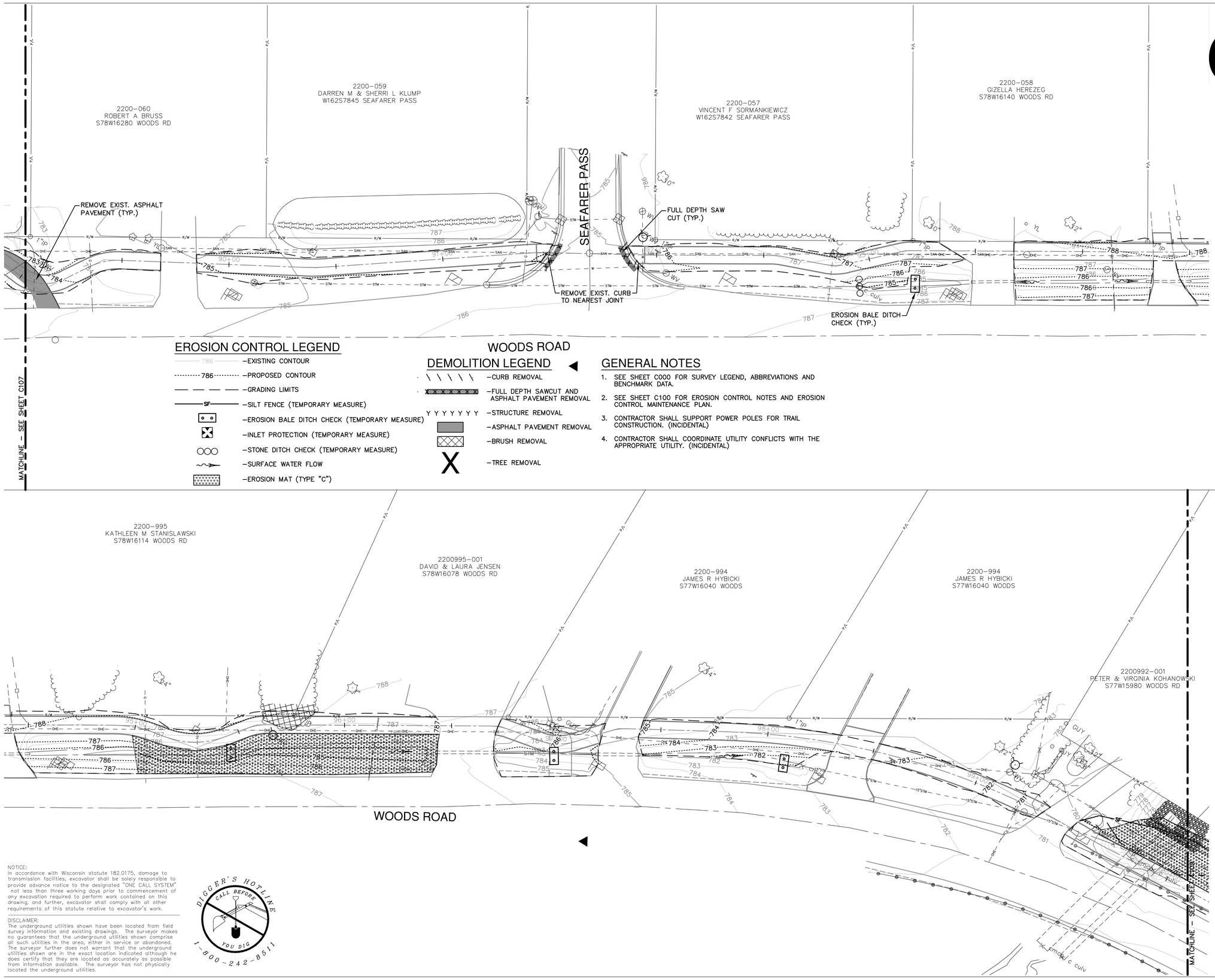
PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:

EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:

C107



EROSION CONTROL LEGEND

- 786 – EXISTING CONTOUR
- 786 – PROPOSED CONTOUR
- – GRADING LIMITS
- SF – SILT FENCE (TEMPORARY MEASURE)
- – EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- – INLET PROTECTION (TEMPORARY MEASURE)
- – STONE DITCH CHECK (TEMPORARY MEASURE)
- – SURFACE WATER FLOW
- – EROSION MAT (TYPE "C")

DEMOLITION LEGEND

- – CURB REMOVAL
- – FULL DEPTH SAWCUT AND ASPHALT PAVEMENT REMOVAL
- Y Y Y Y Y Y Y – STRUCTURE REMOVAL
- – ASPHALT PAVEMENT REMOVAL
- – BRUSH REMOVAL
- X – TREE REMOVAL

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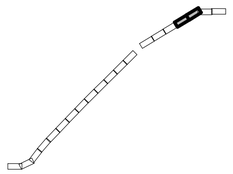


PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

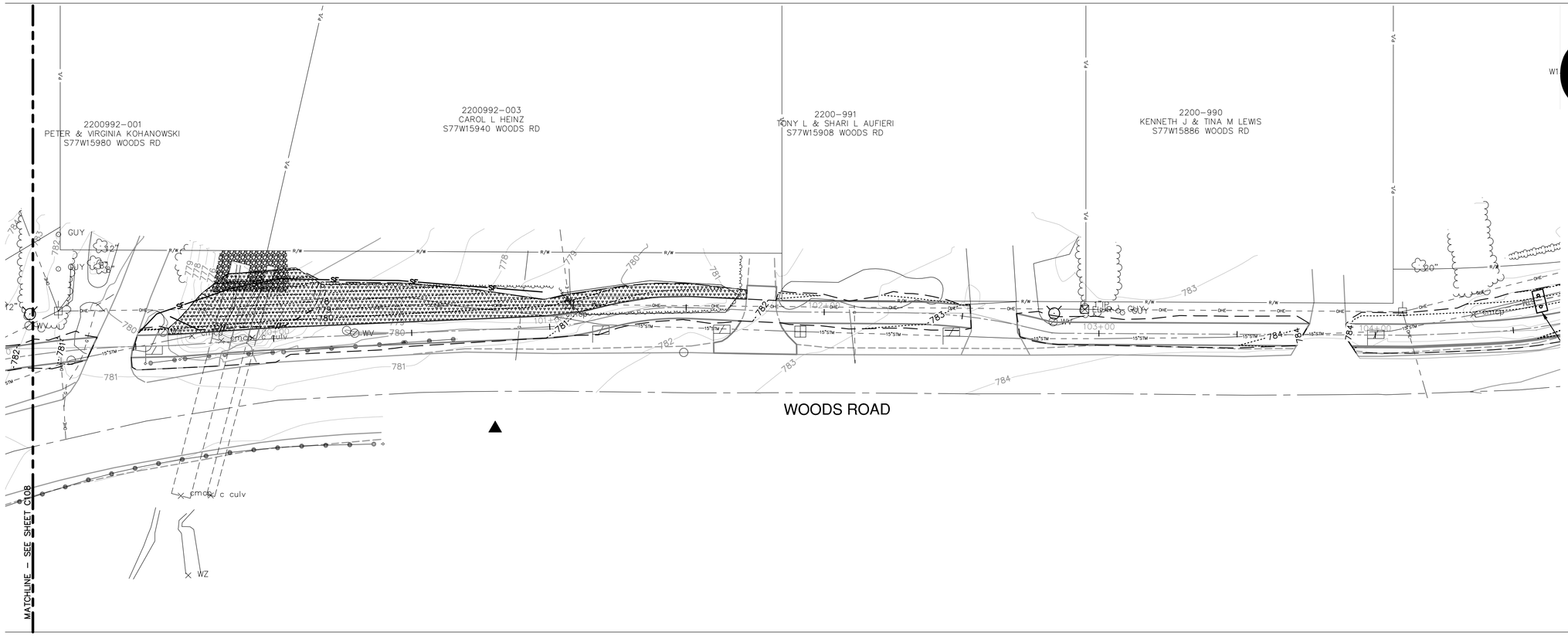
NO.	DATE	REVISIONS	BY

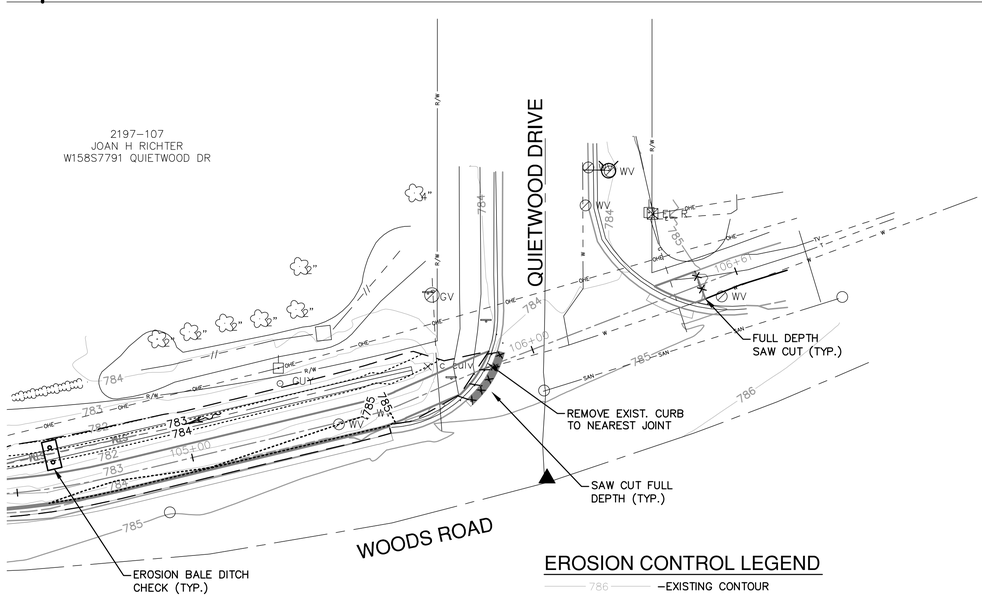
PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:
C108





EROSION CONTROL LEGEND

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- 786 — PROPOSED CONTOUR
- GRADING LIMITS
- SF — SILT FENCE (TEMPORARY MEASURE)
- EROSION BALE DITCH CHECK (TEMPORARY MEASURE)
- INLET PROTECTION (TEMPORARY MEASURE)
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- SURFACE WATER FLOW
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DEMOLITION LEGEND

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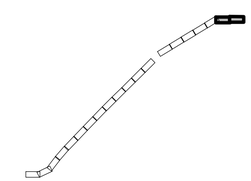

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FILE PATH:	C_00_C100_EROSION_370

SHEET TITLE:
EROSION CONTROL AND DEMOLITION PLAN

SHEET NUMBER:
C109

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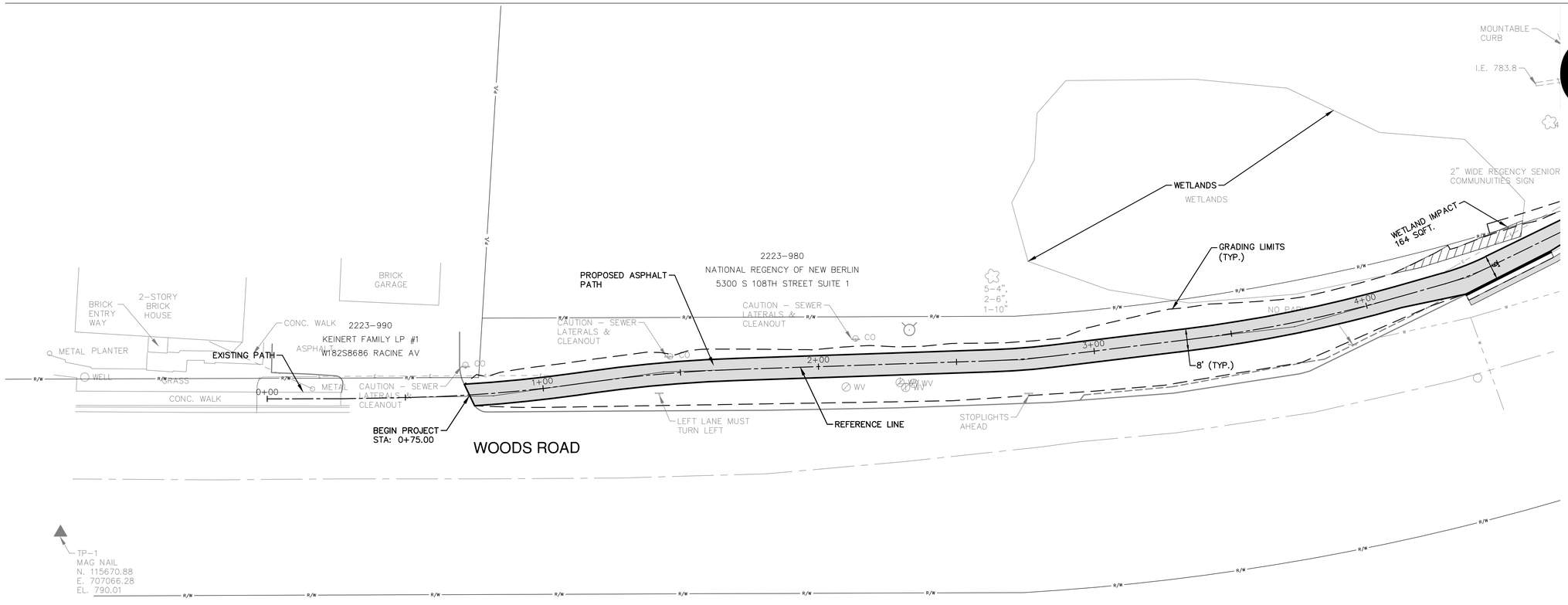

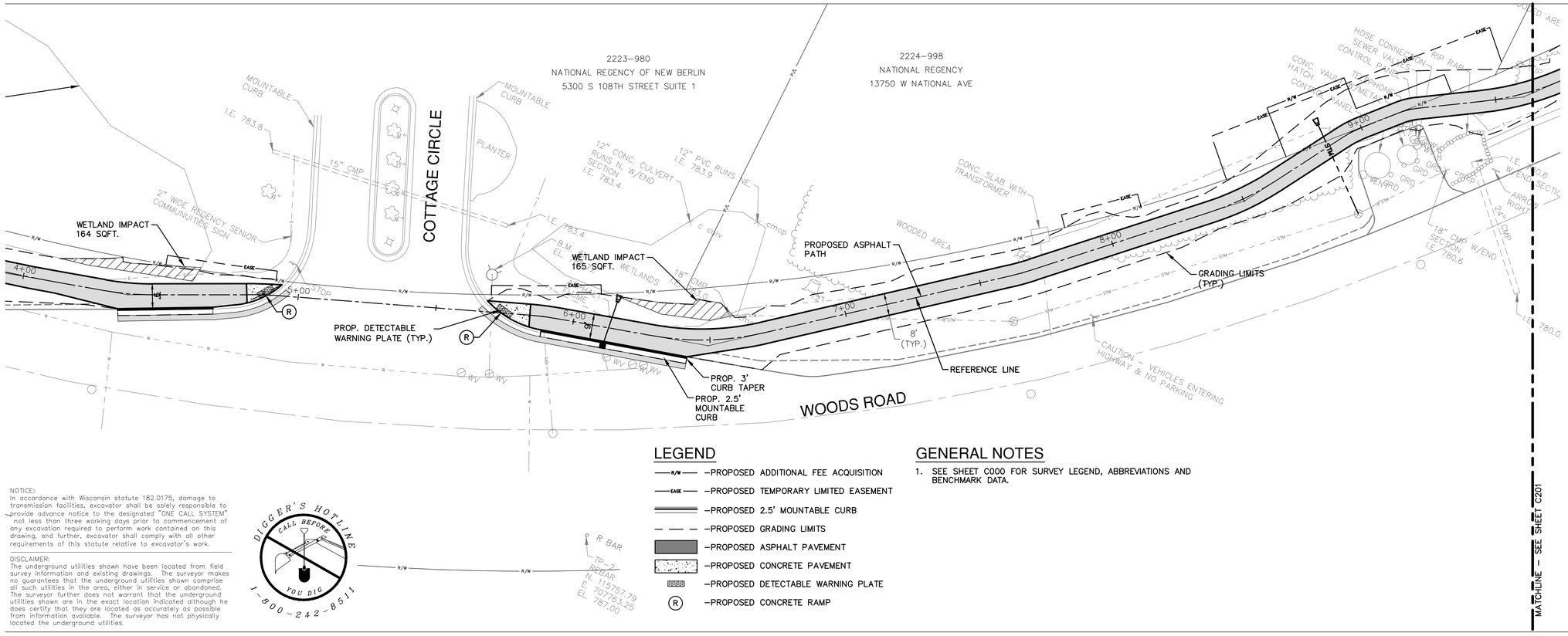

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R BAR
TP-2
REBAR
N. 115757.79
E. 707763.25
EL. 787.00

LEGEND

- R/W — PROPOSED ADDITIONAL FEE ACQUISITION
- EASE — PROPOSED TEMPORARY LIMITED EASEMENT
- PROPOSED 2.5' MOUNTABLE CURB
- PROPOSED GRADING LIMITS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
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GENERAL NOTES

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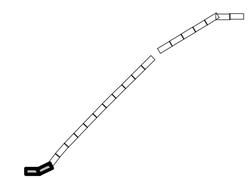
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C200

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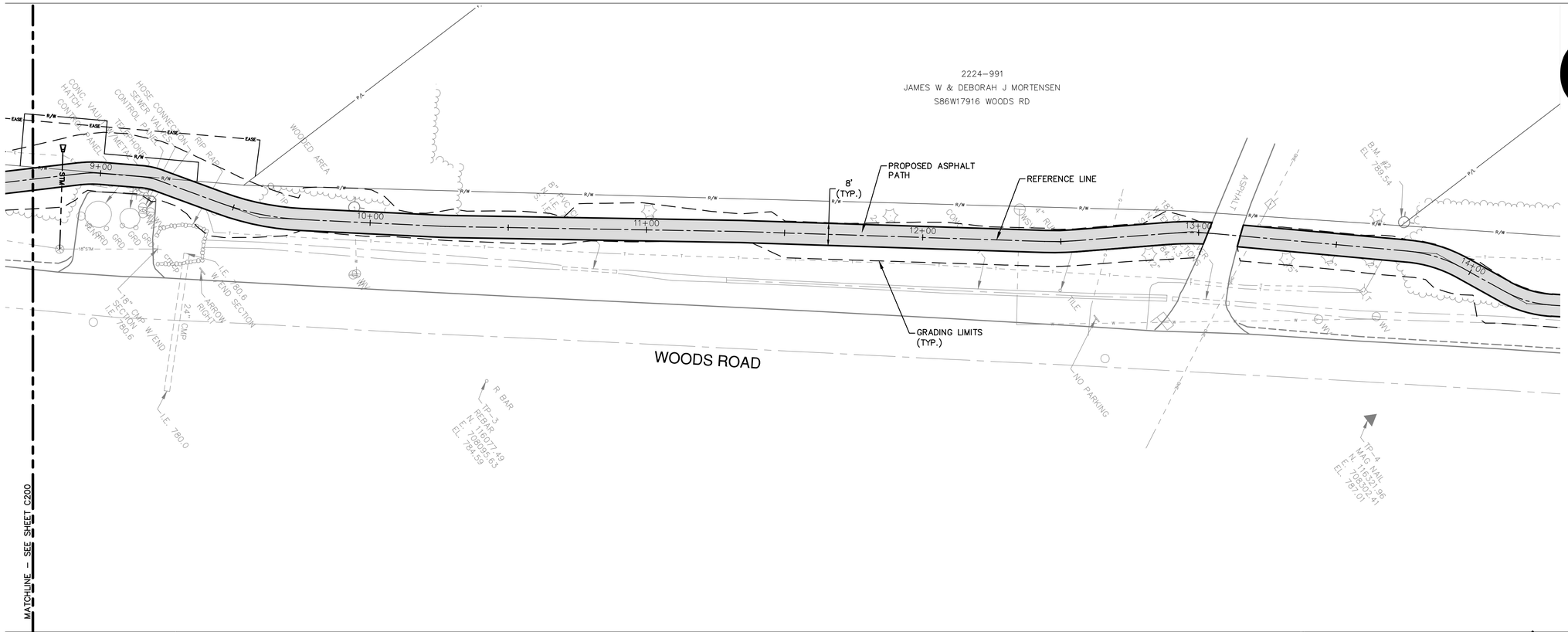

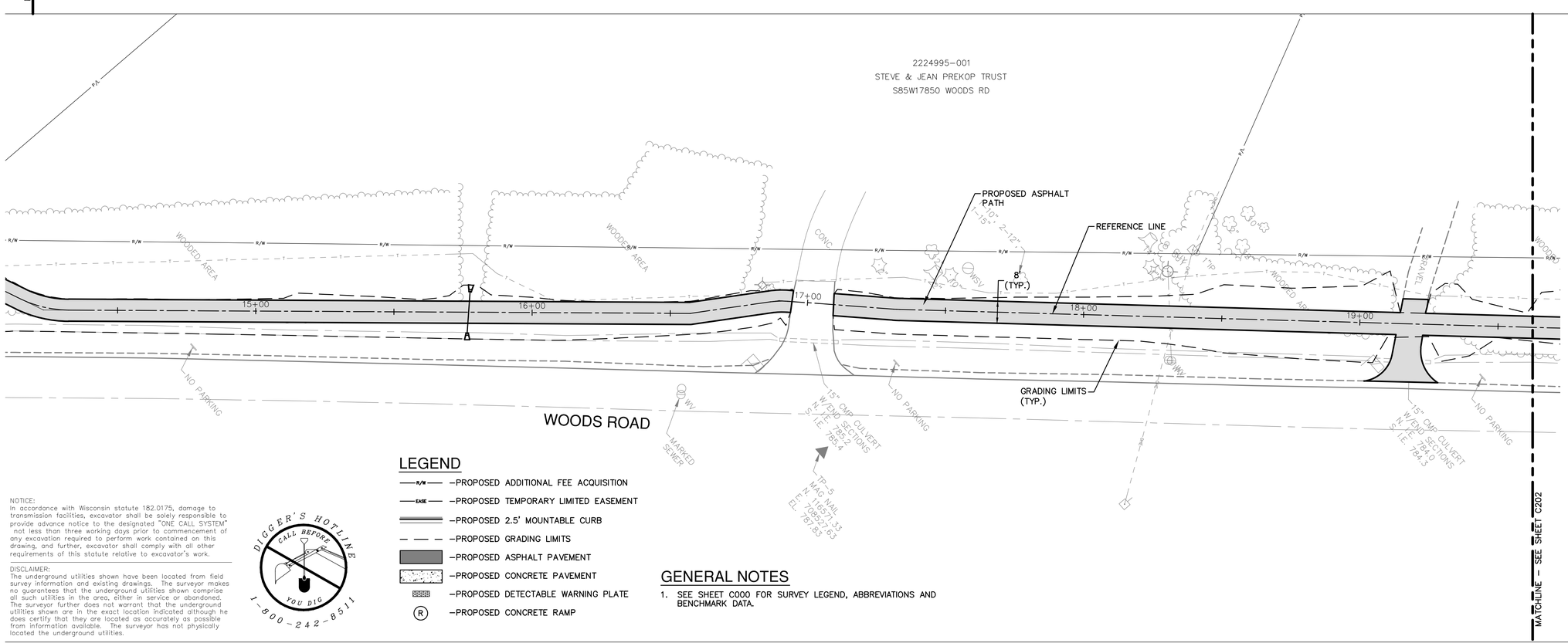

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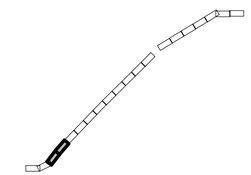

PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
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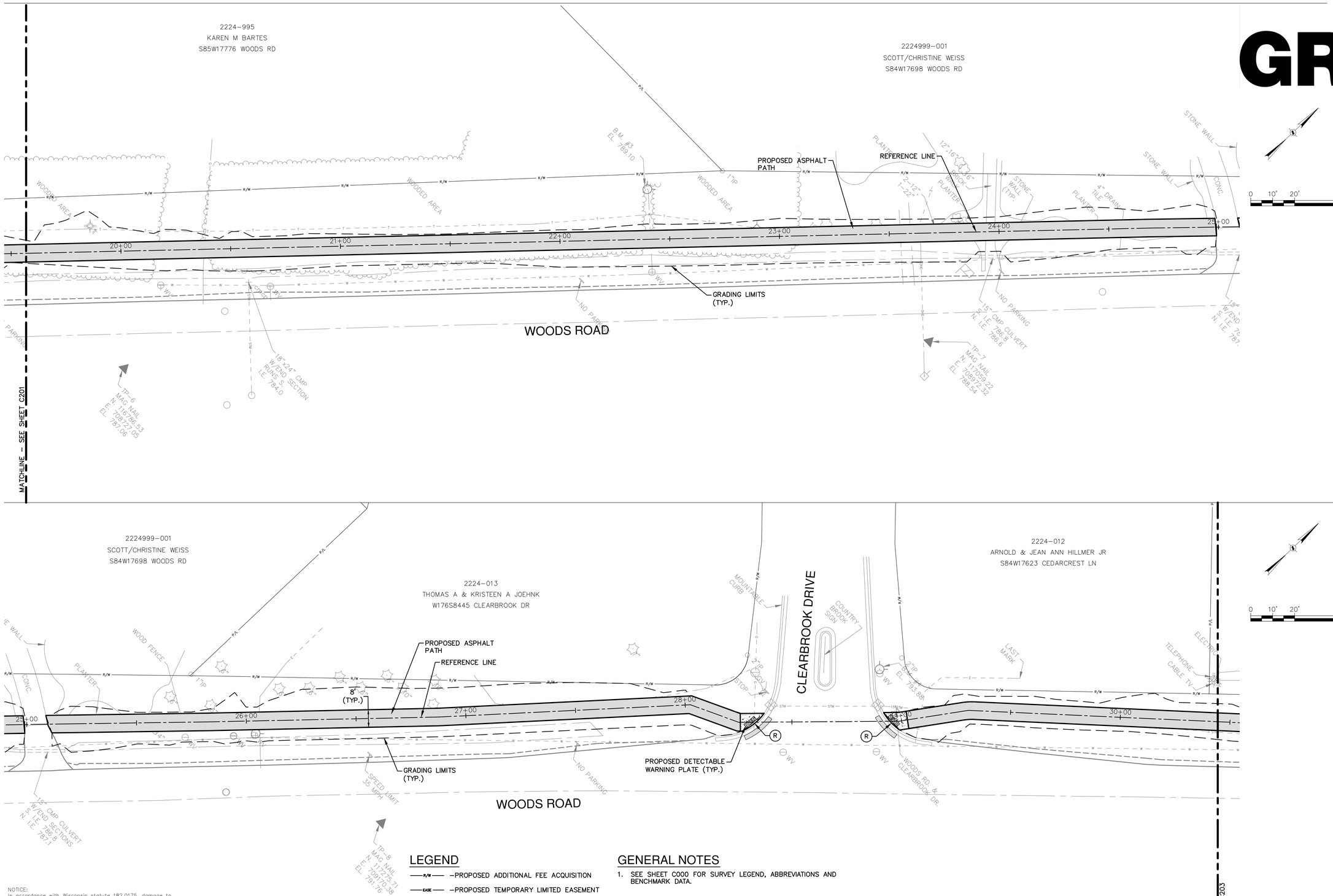
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:
TRAIL LAYOUT PLAN

SHEET NUMBER:
C201



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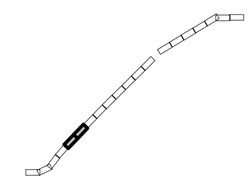

PROJECT TITLE:

CITY OF MUSKEGO
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ISSUE:

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PROJECT INFORMATION:

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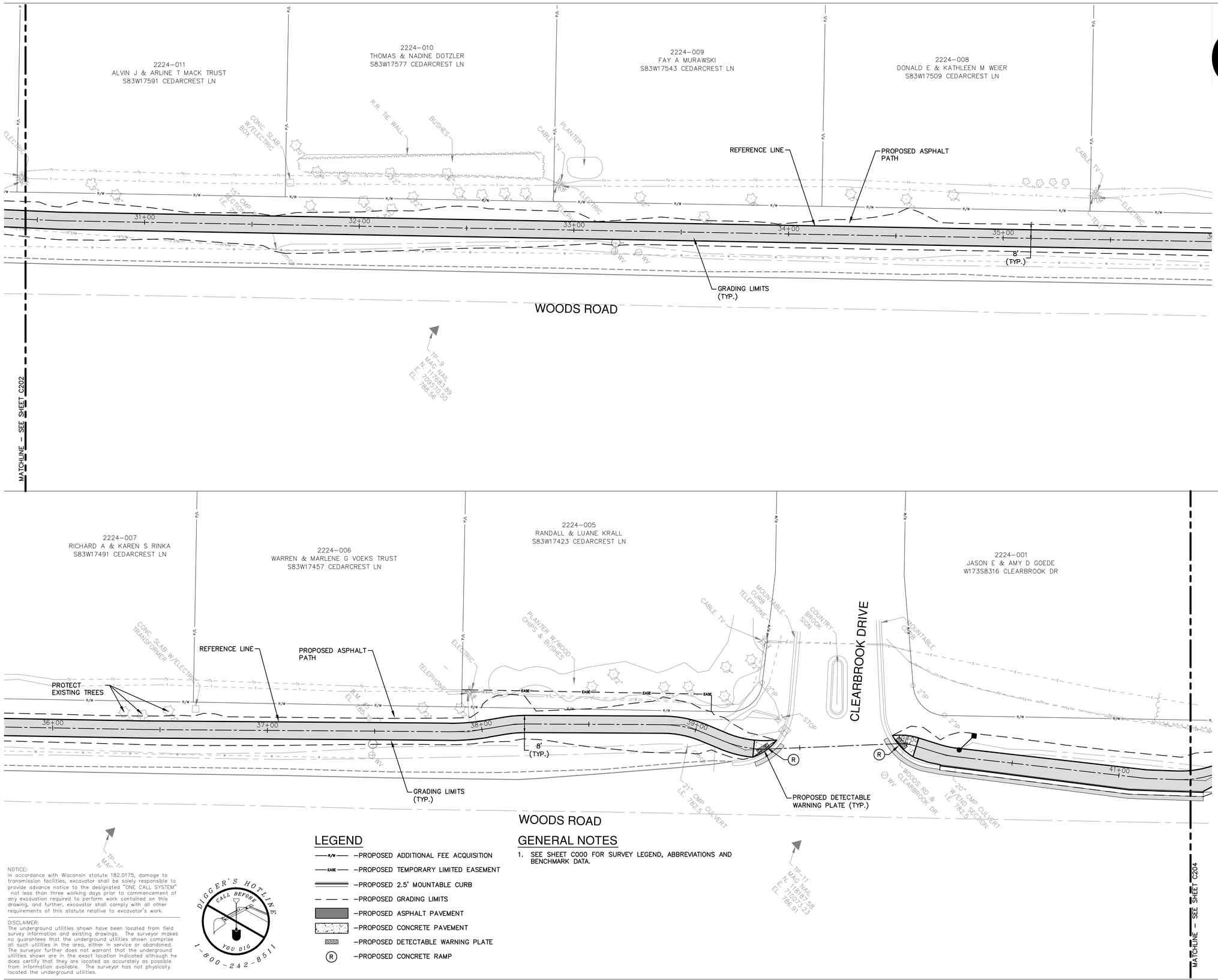
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C202



LEGEND

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- EASE — PROPOSED TEMPORARY LIMITED EASEMENT
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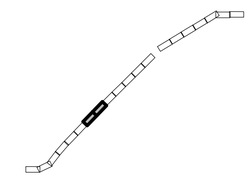

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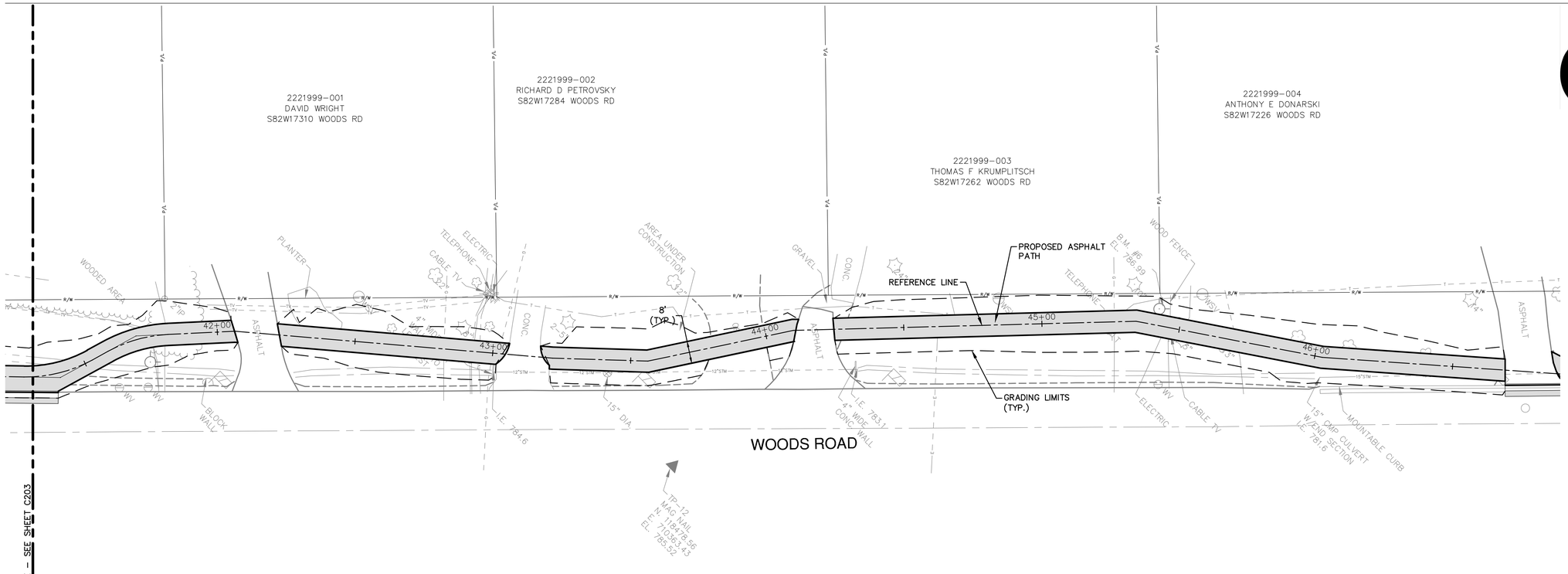
FILE PATH:	C_00_C200_LAYOUT_370

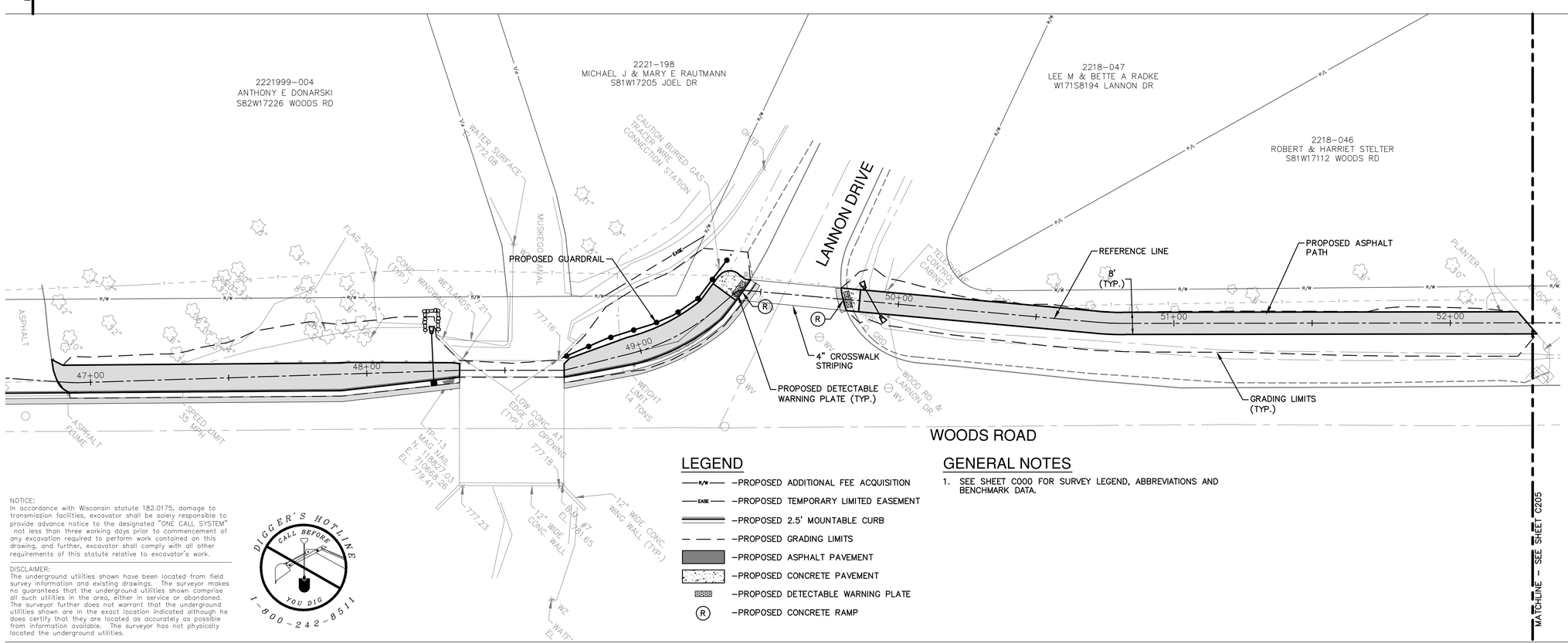
SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C203





LEGEND

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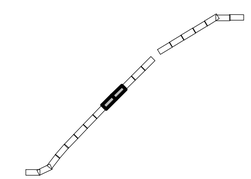

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
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DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C204

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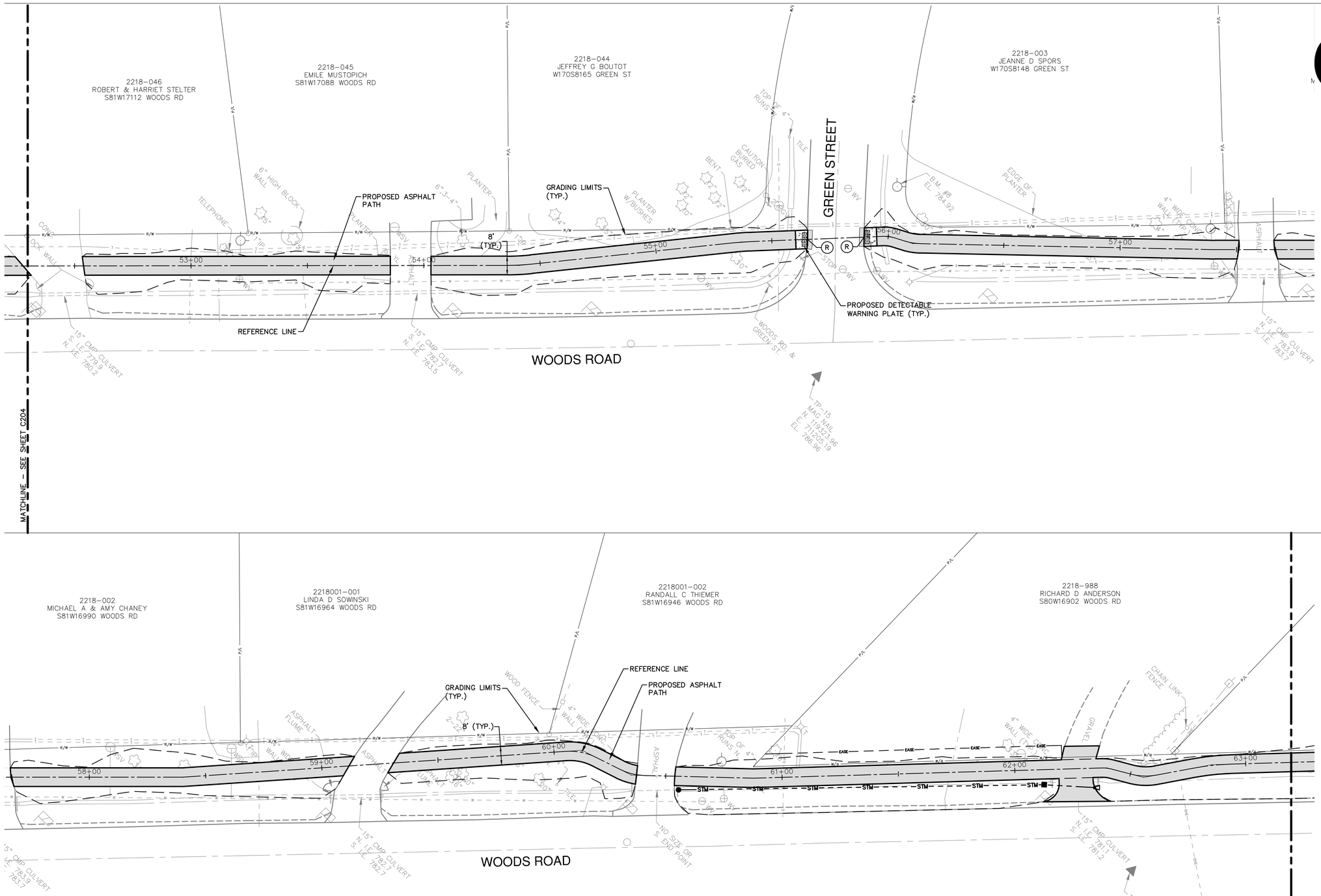

LEGEND

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- PROPOSED 2.5' MOUNTABLE CURB
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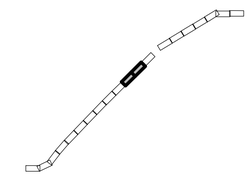

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

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PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
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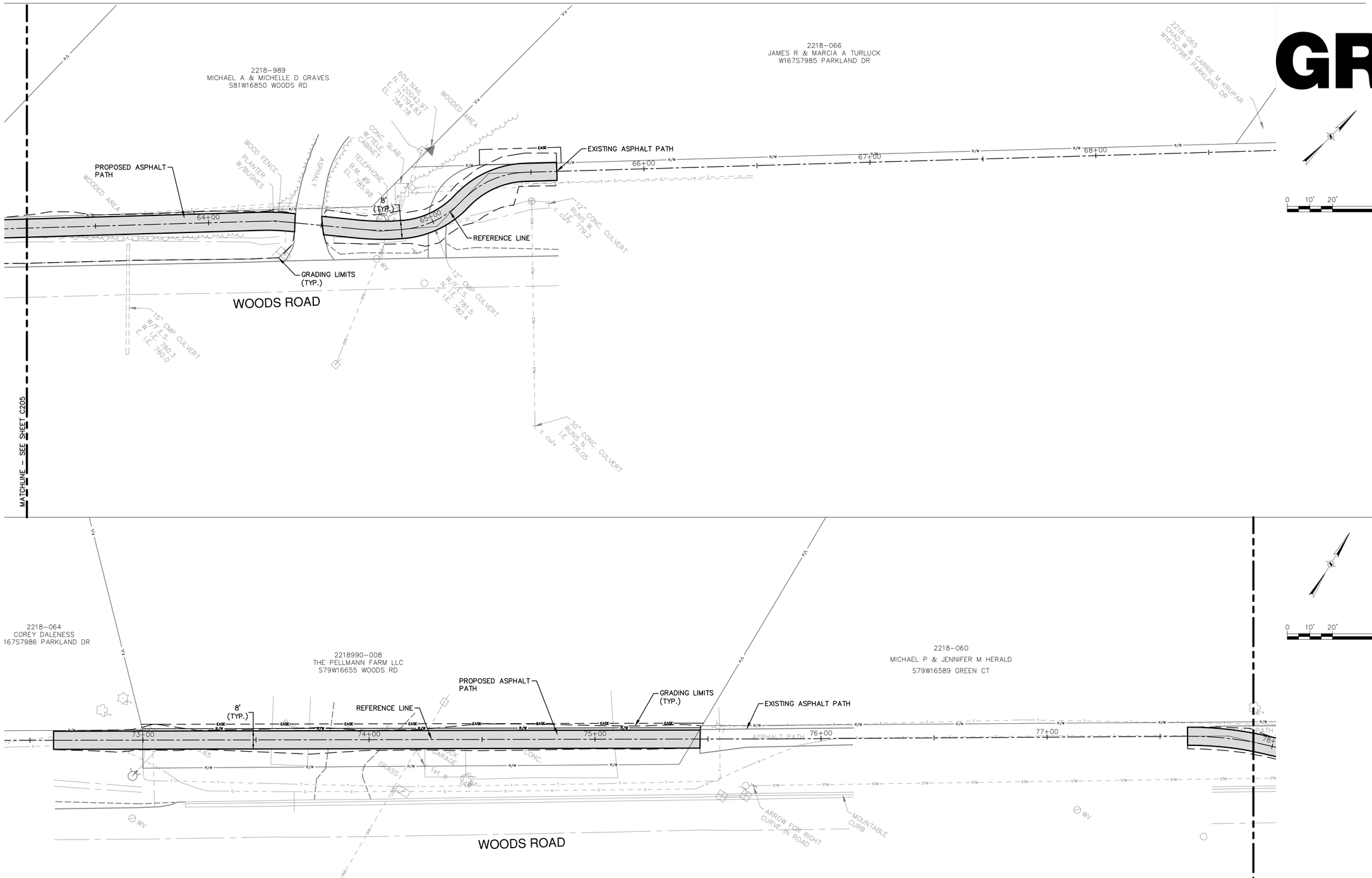
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C205



LEGEND

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- EASE – PROPOSED TEMPORARY LIMITED EASEMENT
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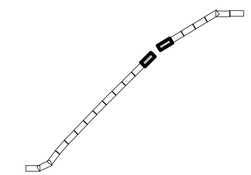

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ISSUE:

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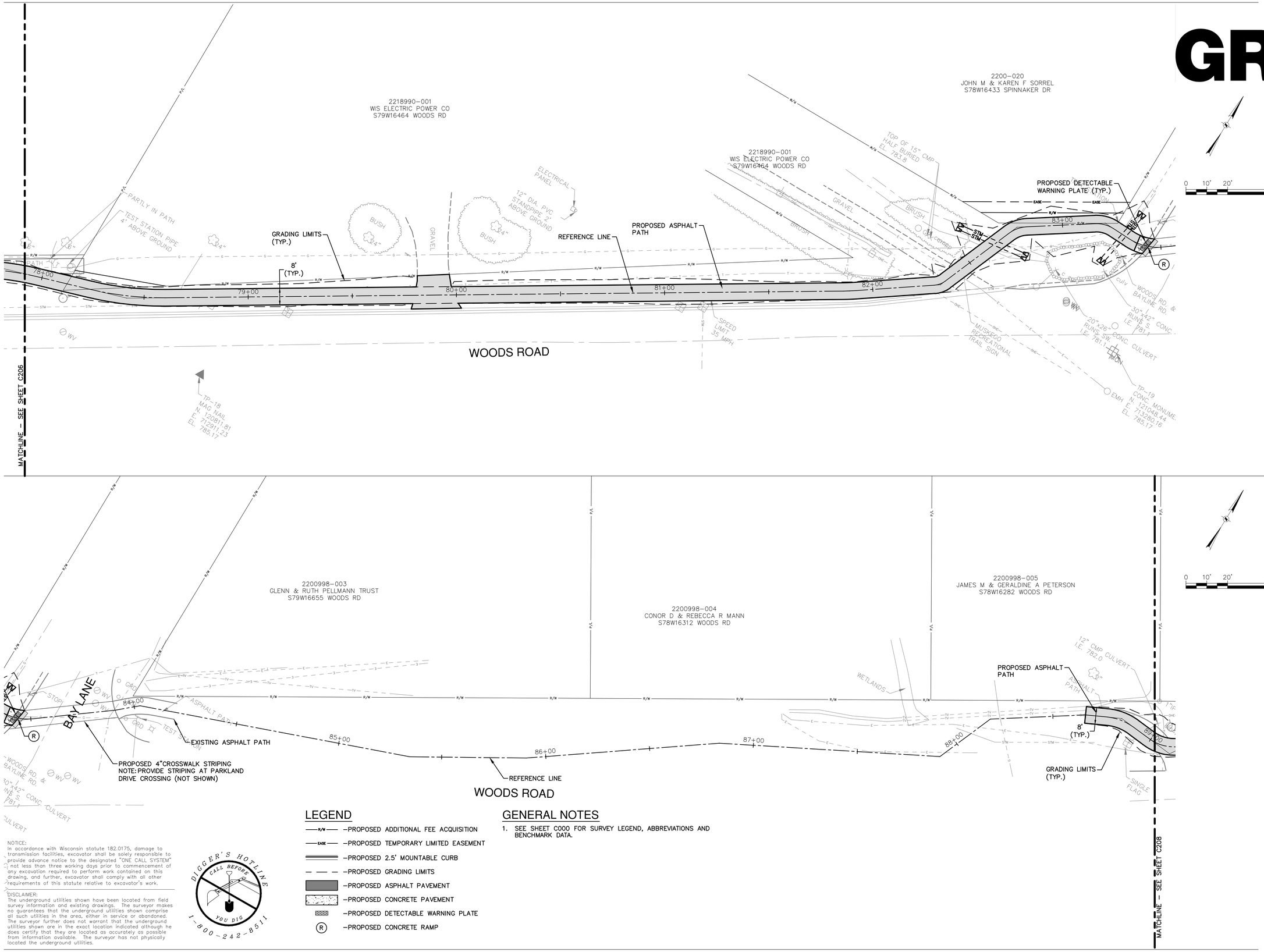
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C206



LEGEND

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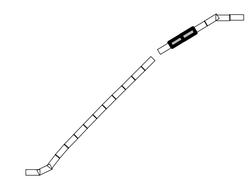

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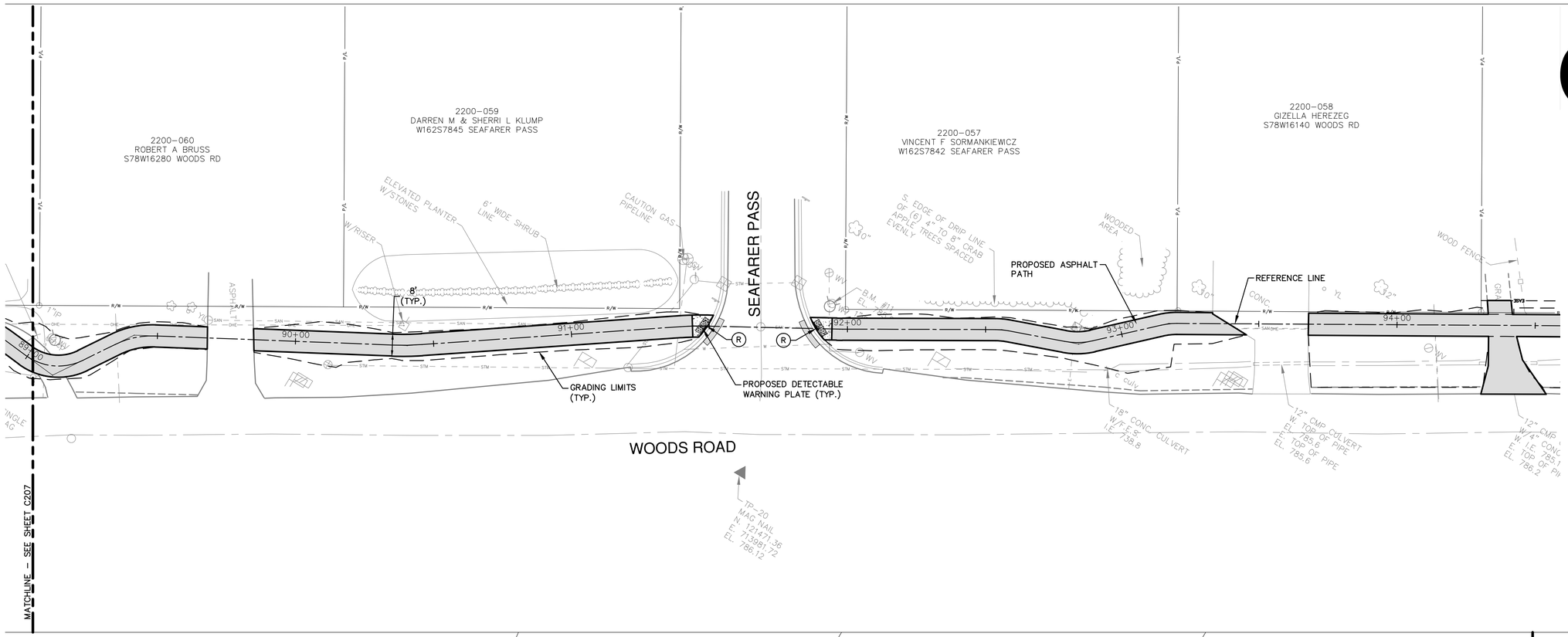
FILE PATH:	C_00_C200_LAYOUT_370

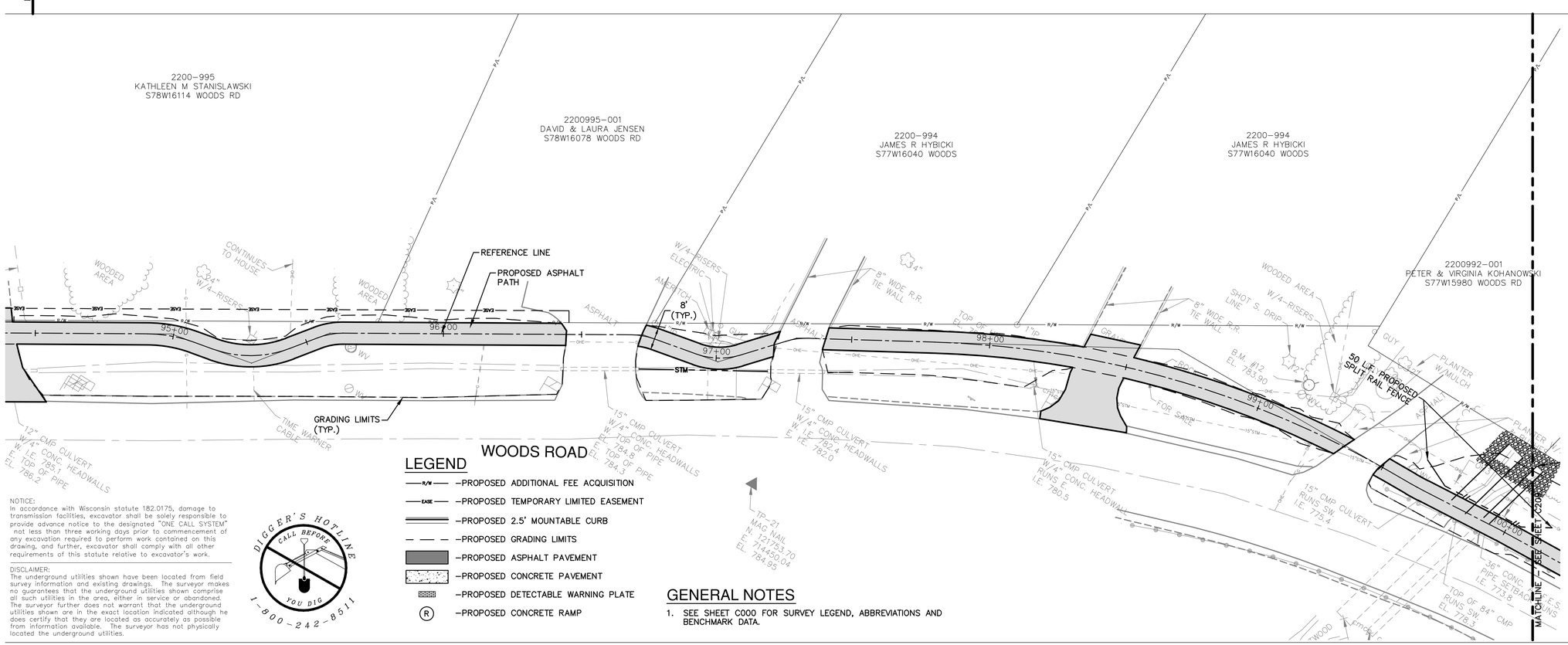
SHEET TITLE:

TRAIL LAYOUT PLAN

SHEET NUMBER:

C207





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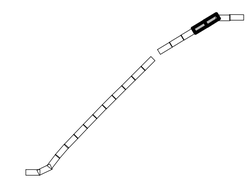
KEY MAP:



PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

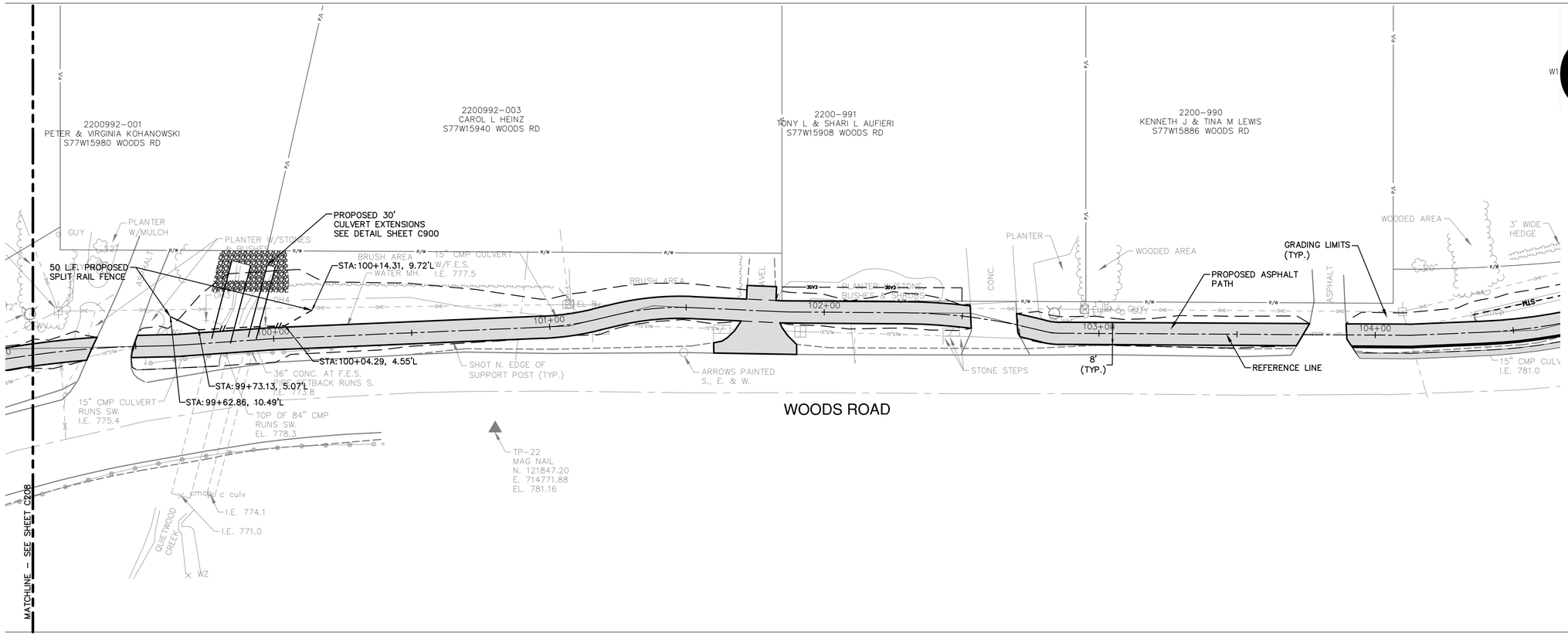
NO.	DATE	REVISIONS	BY

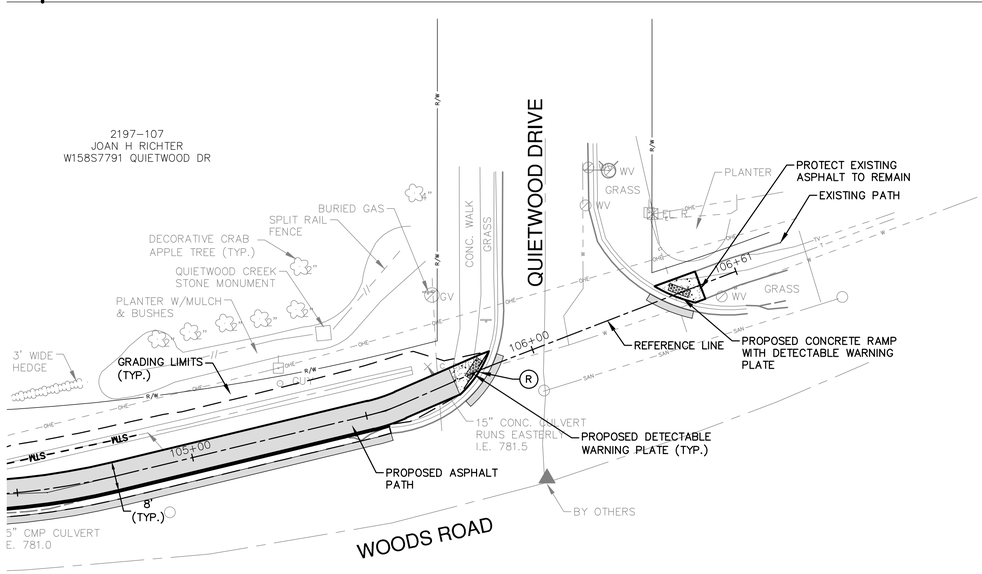
PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:
TRAIL LAYOUT PLAN

SHEET NUMBER:
C208





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TP-23
MAG NAIL
N. 121843.65
E. 715277.67
EL. 785.76

LEGEND

- R/W — PROPOSED ADDITIONAL FEE ACQUISITION
- EASE — PROPOSED TEMPORARY LIMITED EASEMENT
- PROPOSED 2.5' MOUNTABLE CURB
- PROPOSED GRADING LIMITS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED DETECTABLE WARNING PLATE
- (R) PROPOSED CONCRETE RAMP

GENERAL NOTES

1. SEE SHEET C000 FOR SURVEY LEGEND, ABBREVIATIONS AND BENCHMARK DATA.

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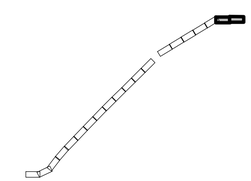
KEY MAP:



PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C200_LAYOUT_370

SHEET TITLE:
TRAIL LAYOUT PLAN

SHEET NUMBER:
C209

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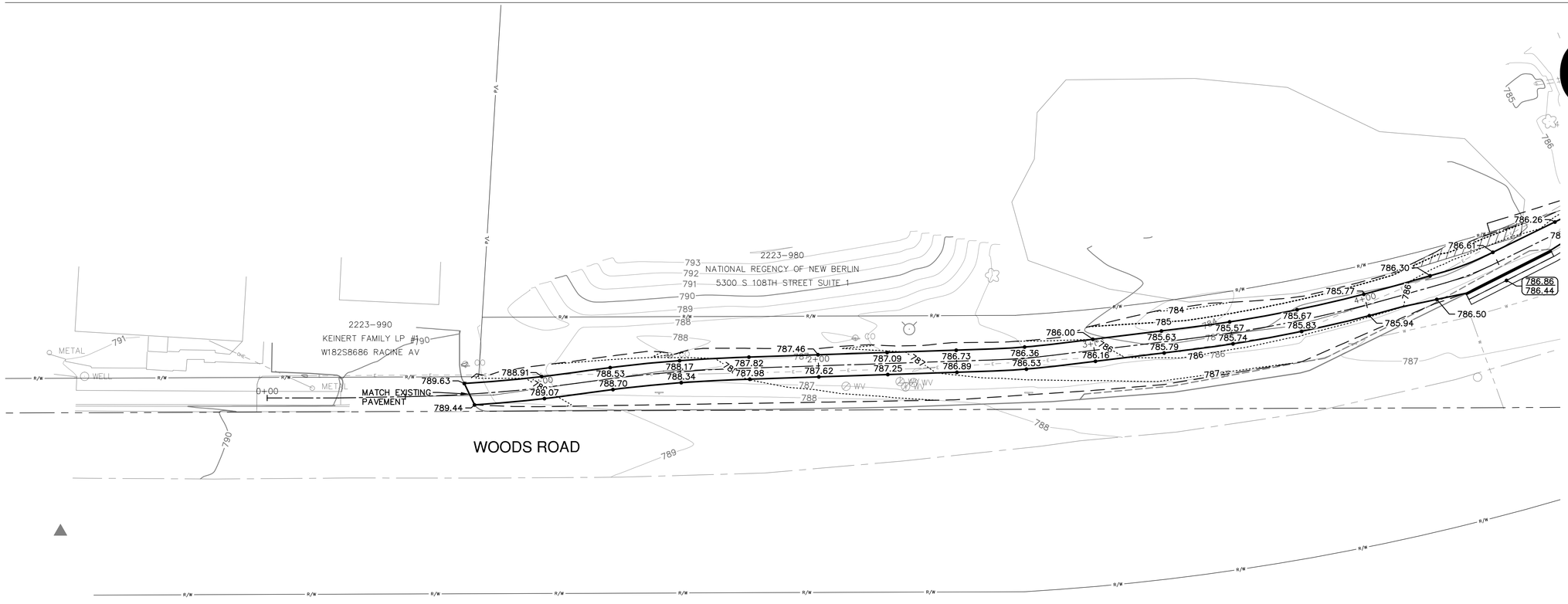

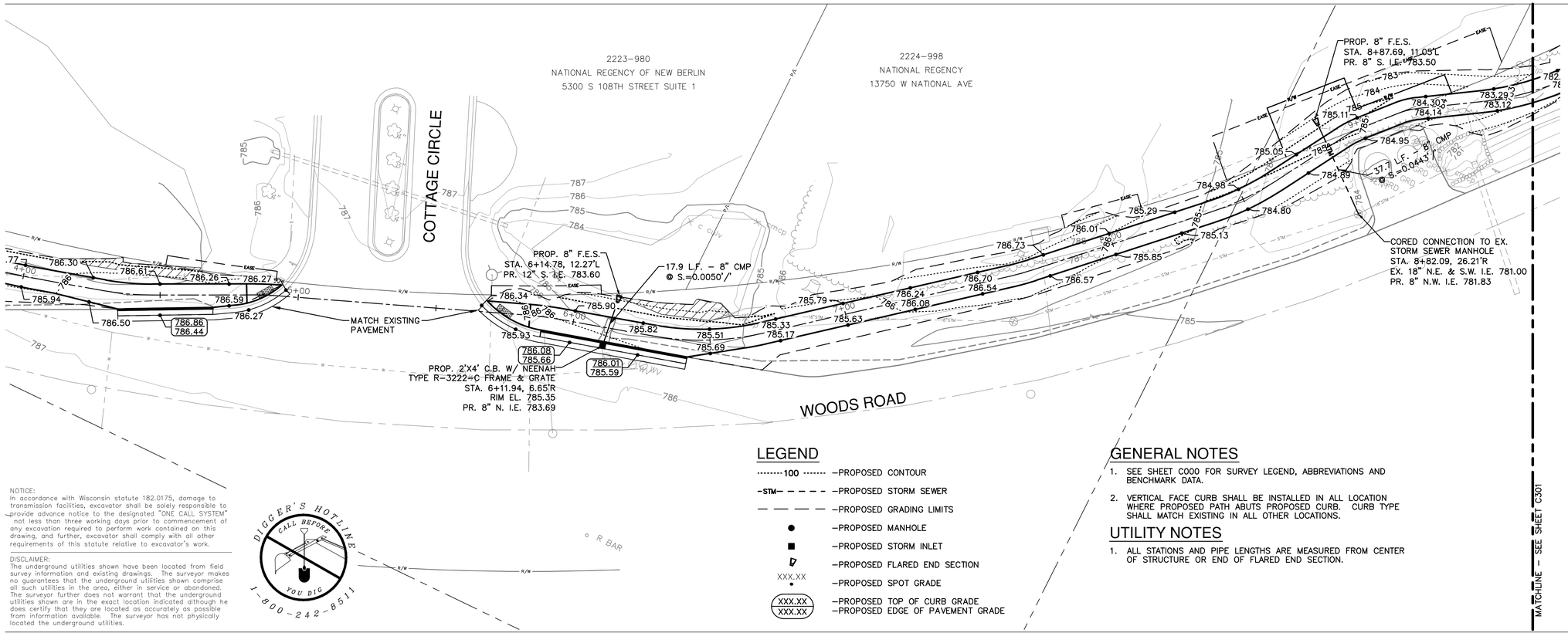

LEGEND

- ·····100····· –PROPOSED CONTOUR
- –STM– – – – –PROPOSED STORM SEWER
- — — — –PROPOSED GRADING LIMITS
- ● –PROPOSED MANHOLE
- ■ –PROPOSED STORM INLET
- –PROPOSED FLARED END SECTION
- XXX.XX • –PROPOSED SPOT GRADE
- XXX.XX –PROPOSED TOP OF CURB GRADE
- XXX.XX –PROPOSED EDGE OF PAVEMENT GRADE

GENERAL NOTES

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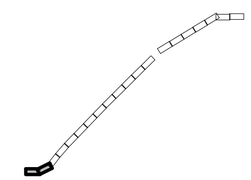

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C300

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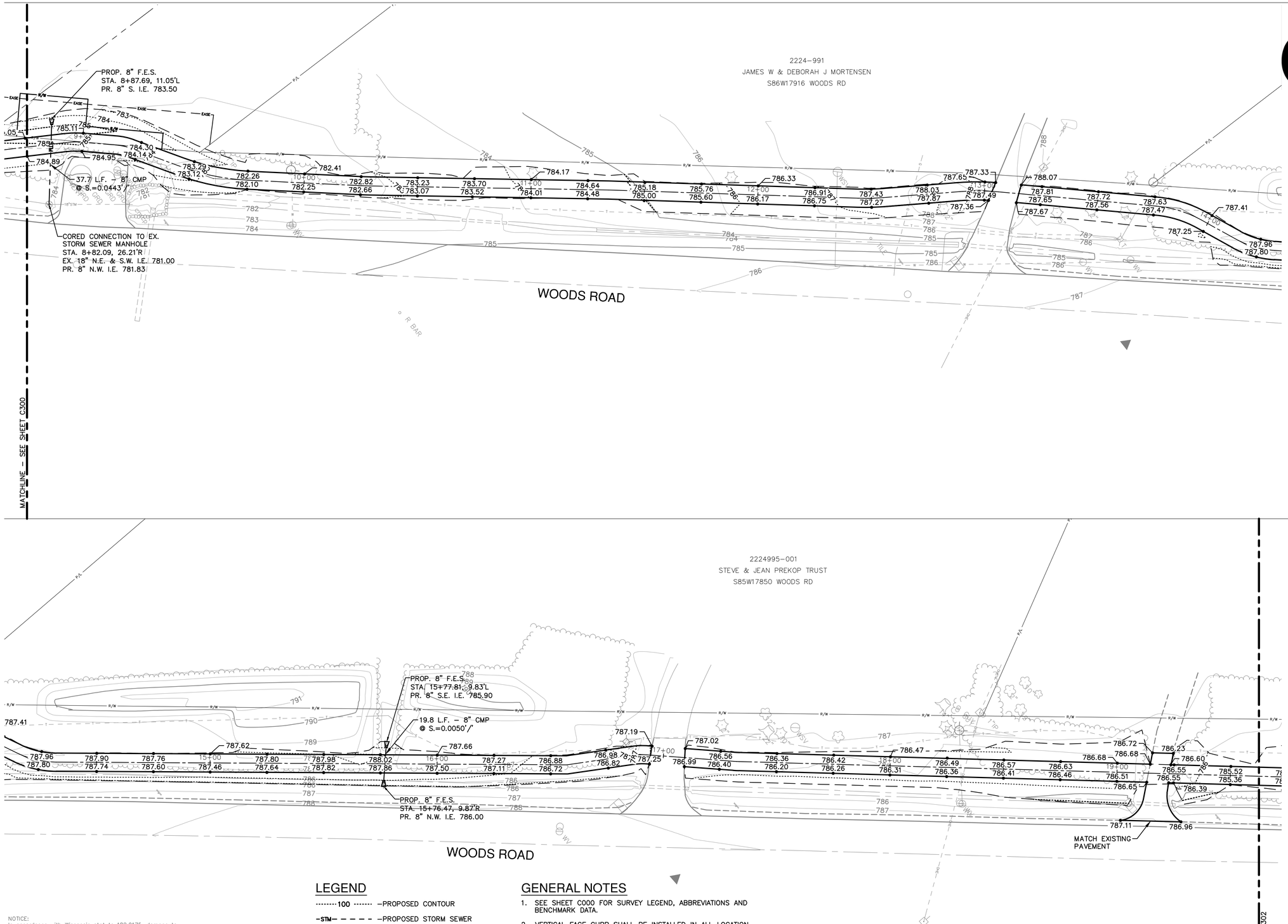

LEGEND

·····100·····	–PROPOSED CONTOUR
–STM– – – – –	–PROPOSED STORM SEWER
— — — —	–PROPOSED GRADING LIMITS
●	–PROPOSED MANHOLE
■	–PROPOSED STORM INLET
▽	–PROPOSED FLARED END SECTION
XXX.XX •	–PROPOSED SPOT GRADE
XXX.XX / XXX.XX	–PROPOSED TOP OF CURB GRADE –PROPOSED EDGE OF PAVEMENT GRADE

GENERAL NOTES

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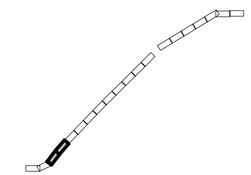
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

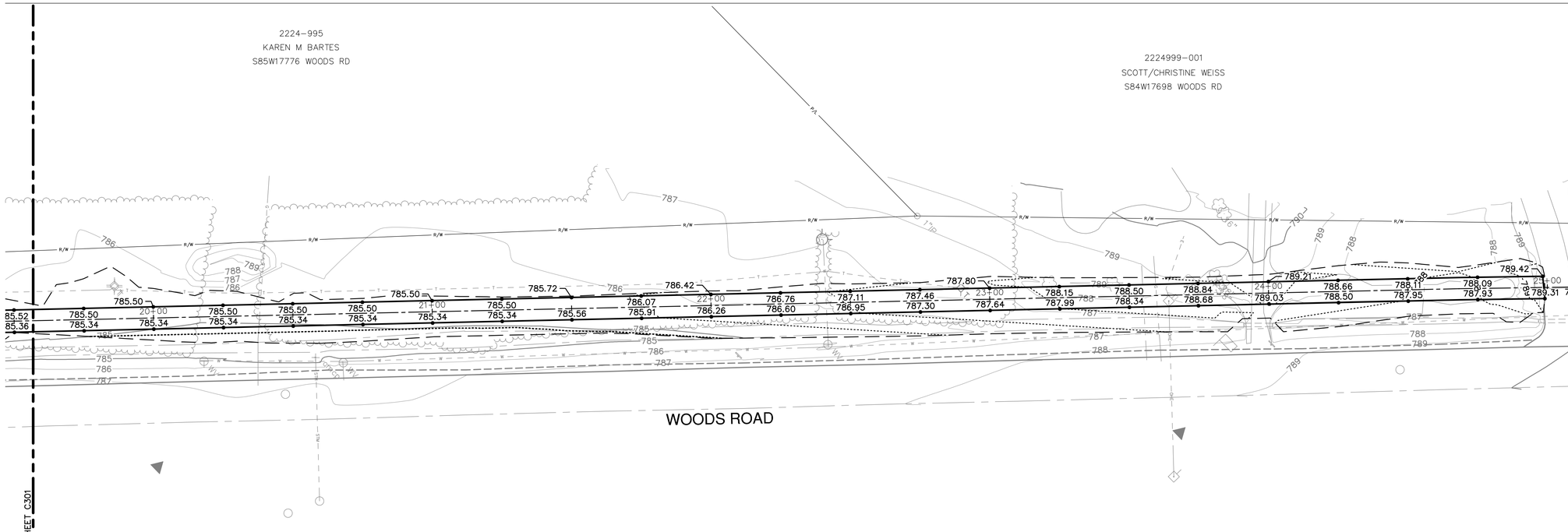
PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

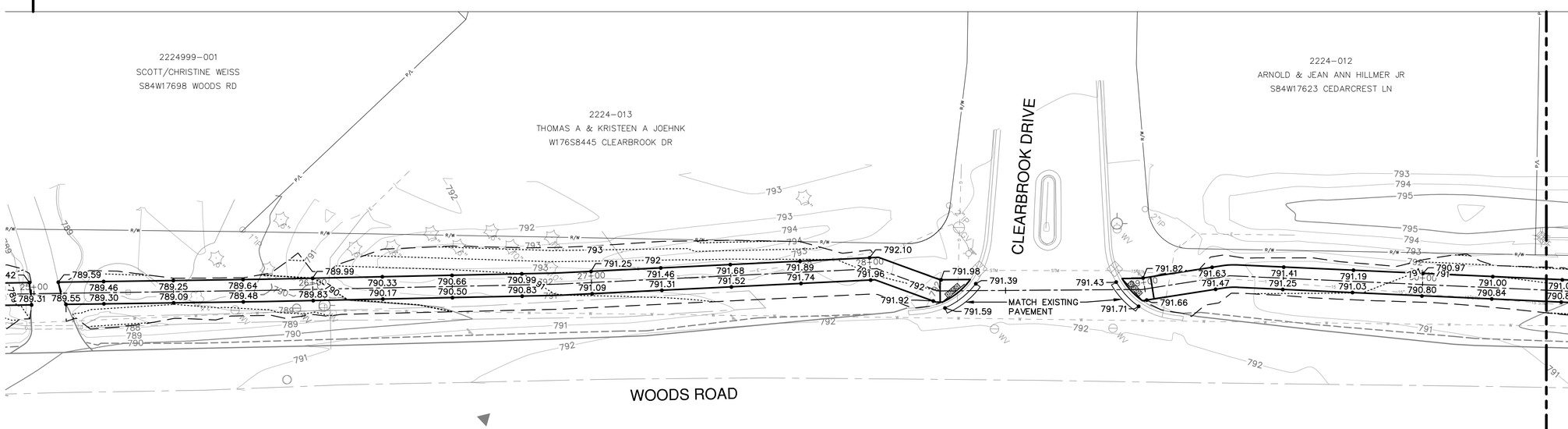
SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C301





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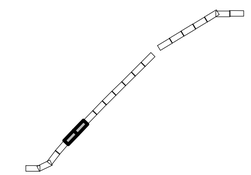

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

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DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C302

LEGEND

- 100 — PROPOSED CONTOUR
- STM — PROPOSED STORM SEWER
- PROPOSED GRADING LIMITS
- PROPOSED MANHOLE
- PROPOSED STORM INLET
- PROPOSED FLARED END SECTION
- XXX.XX — PROPOSED SPOT GRADE
- XXX.XX / XXX.XX — PROPOSED TOP OF CURB GRADE / PROPOSED EDGE OF PAVEMENT GRADE

GENERAL NOTES

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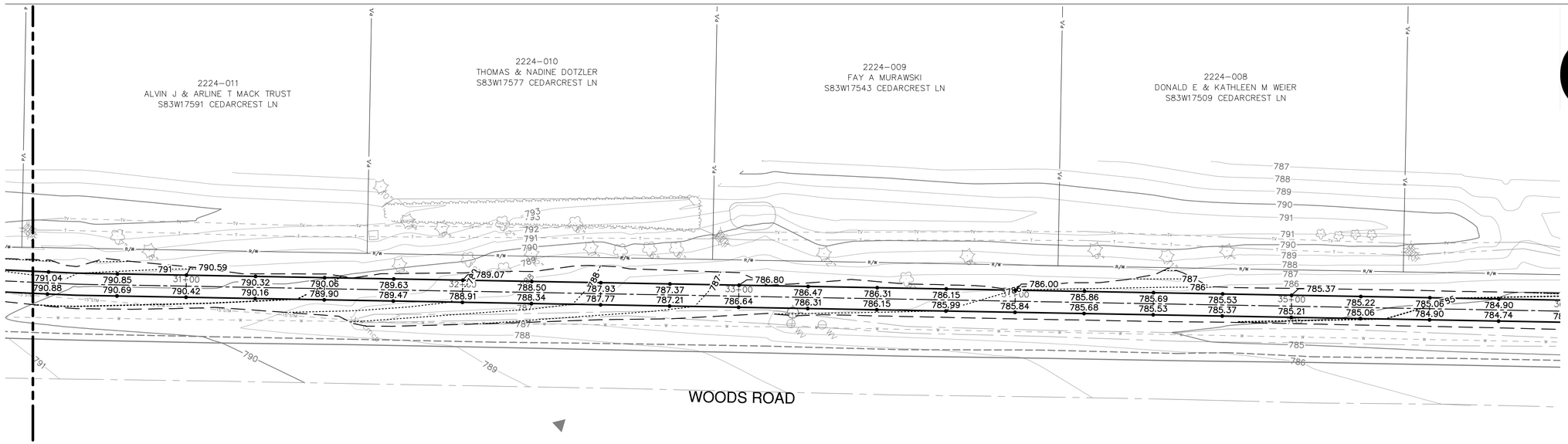

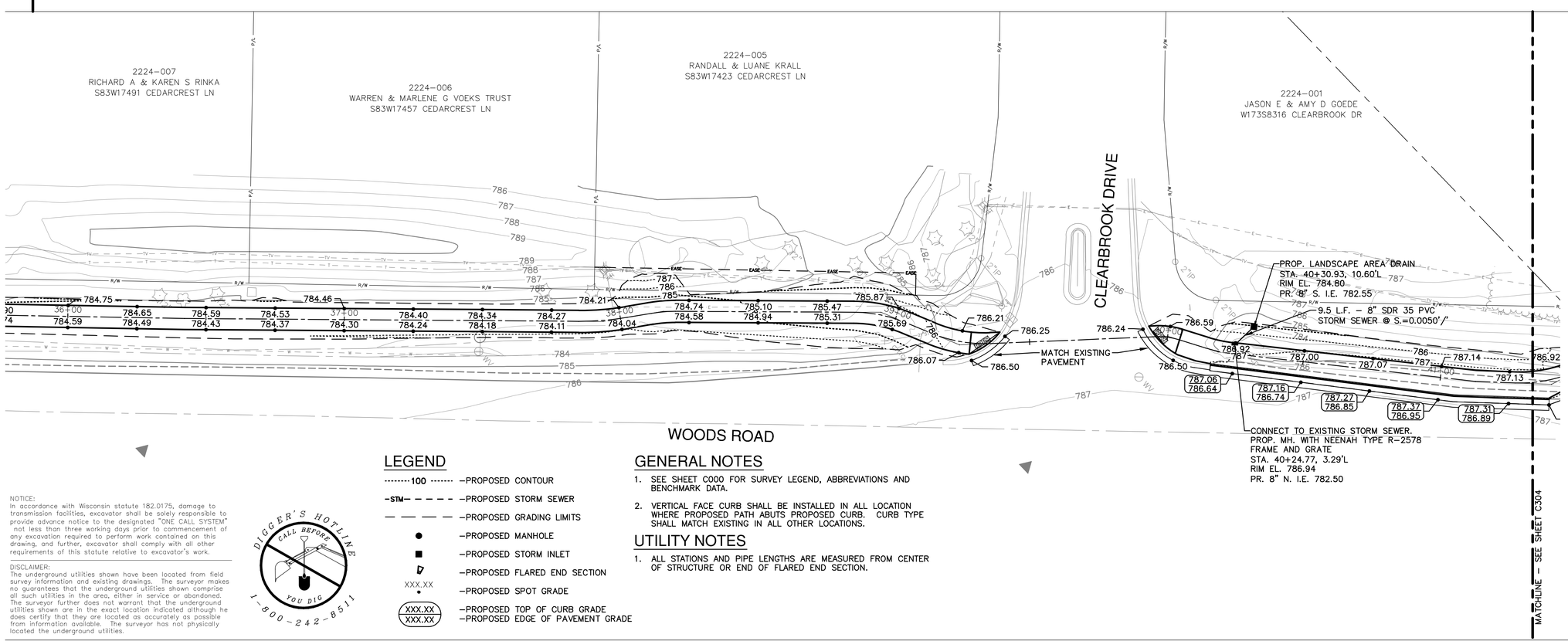

LEGEND

·····100·····	–PROPOSED CONTOUR
–STM– – – – –	–PROPOSED STORM SEWER
— — — —	–PROPOSED GRADING LIMITS
●	–PROPOSED MANHOLE
■	–PROPOSED STORM INLET
▽	–PROPOSED FLARED END SECTION
XXX.XX •	–PROPOSED SPOT GRADE
XXX.XX / XXX.XX	–PROPOSED TOP OF CURB GRADE –PROPOSED EDGE OF PAVEMENT GRADE

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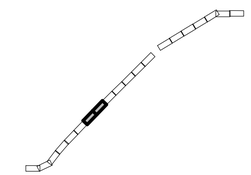
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

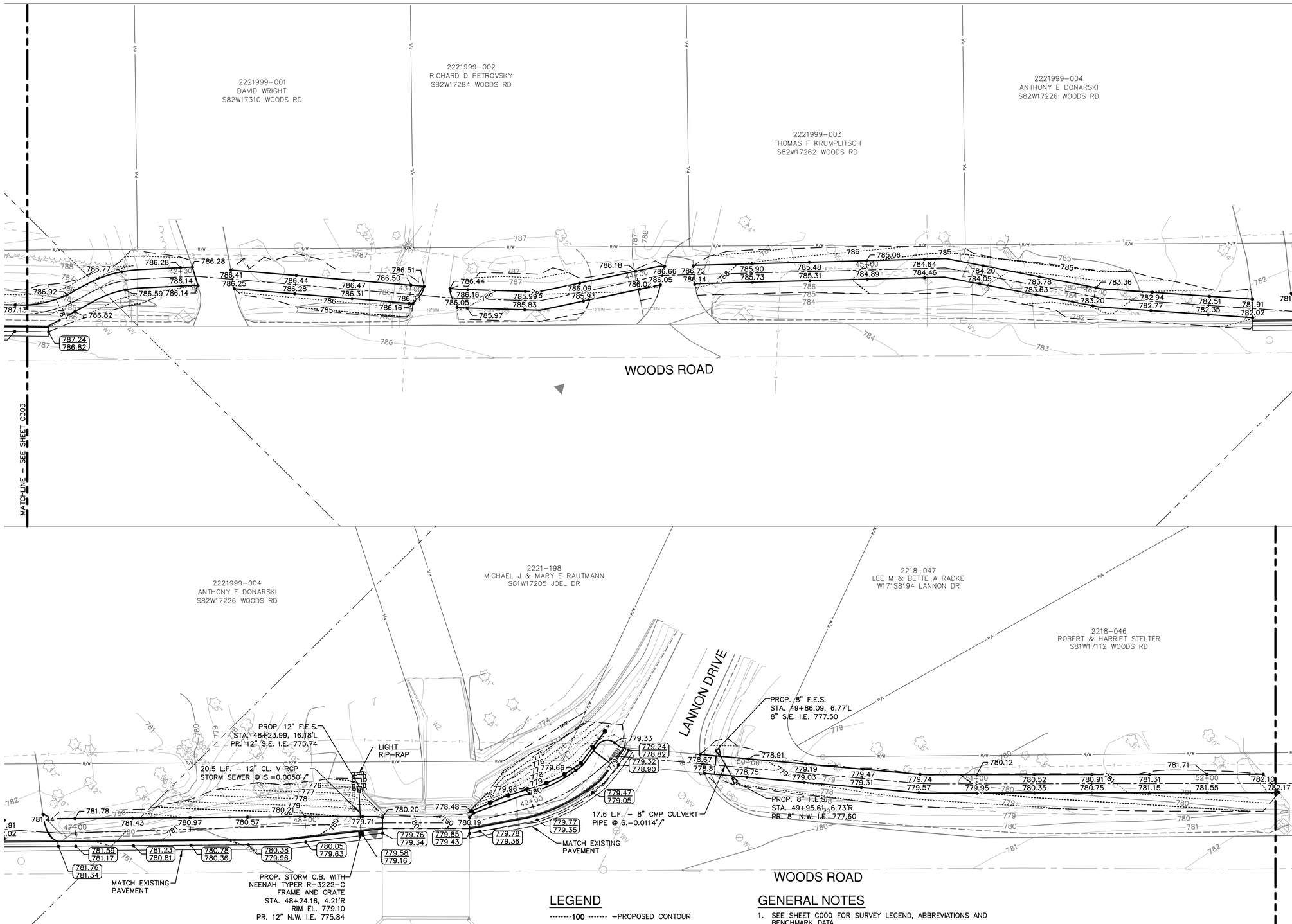
PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C303



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LEGEND

- ·····100····· –PROPOSED CONTOUR
- –STM– – – – –PROPOSED STORM SEWER
- — — — –PROPOSED GRADING LIMITS
- ● –PROPOSED MANHOLE
- ■ –PROPOSED STORM INLET
- –PROPOSED FLARED END SECTION
- XXX.XX • –PROPOSED SPOT GRADE
- XXX.XX / XXX.XX –PROPOSED TOP OF CURB GRADE / –PROPOSED EDGE OF PAVEMENT GRADE

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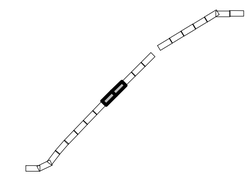

PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
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FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C304

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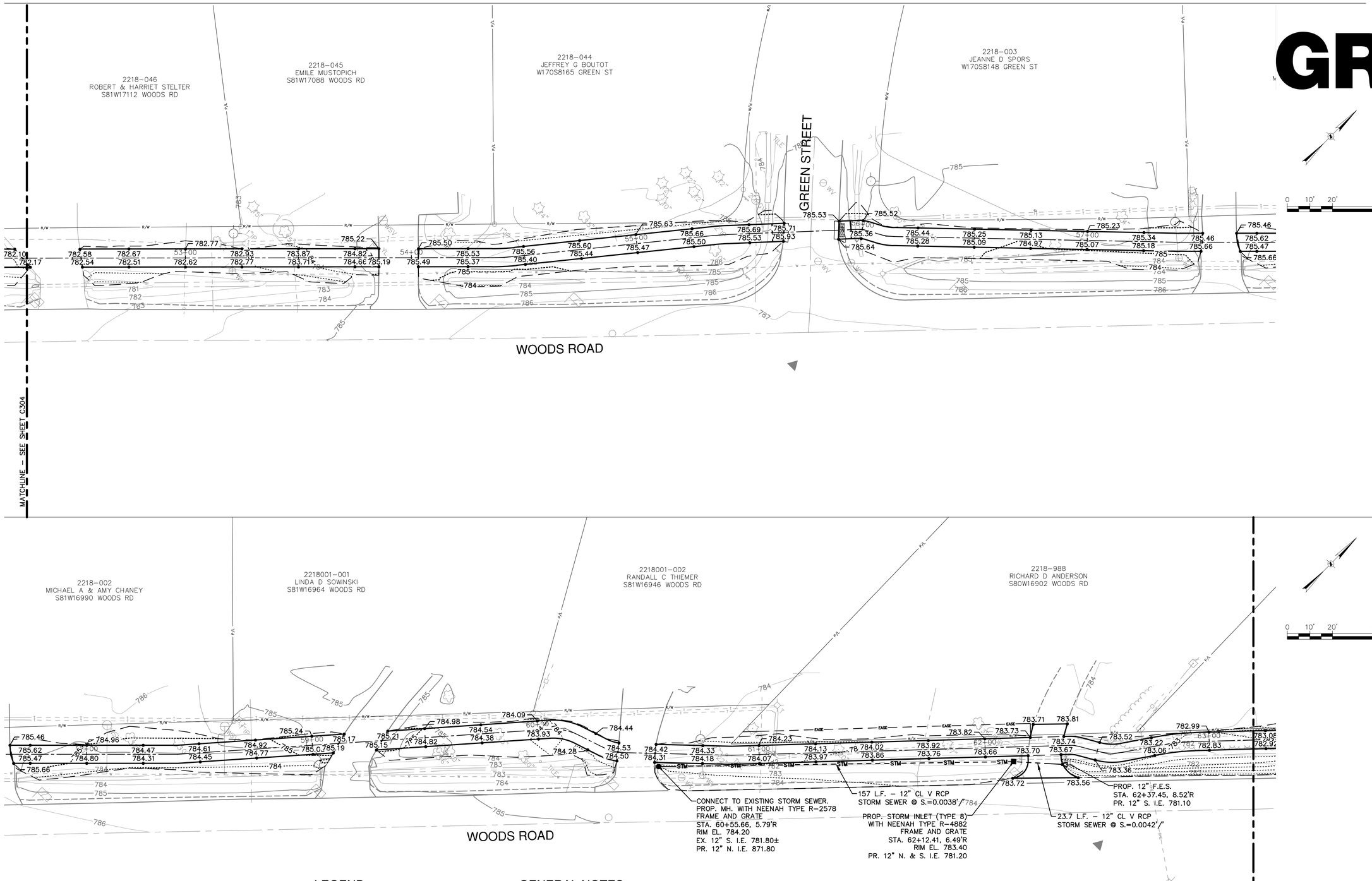

LEGEND

·····100·····	–PROPOSED CONTOUR
–STM– – – – –	–PROPOSED STORM SEWER
— — — —	–PROPOSED GRADING LIMITS
●	–PROPOSED MANHOLE
■	–PROPOSED STORM INLET
▽	–PROPOSED FLARED END SECTION
XXX.XX •	–PROPOSED SPOT GRADE
XXX.XX	–PROPOSED TOP OF CURB GRADE
XXX.XX	–PROPOSED EDGE OF PAVEMENT GRADE

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GRAEF
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Milwaukee, WI 53214-1469
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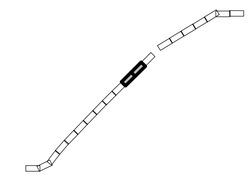
KEY MAP:



PROJECT TITLE:
CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

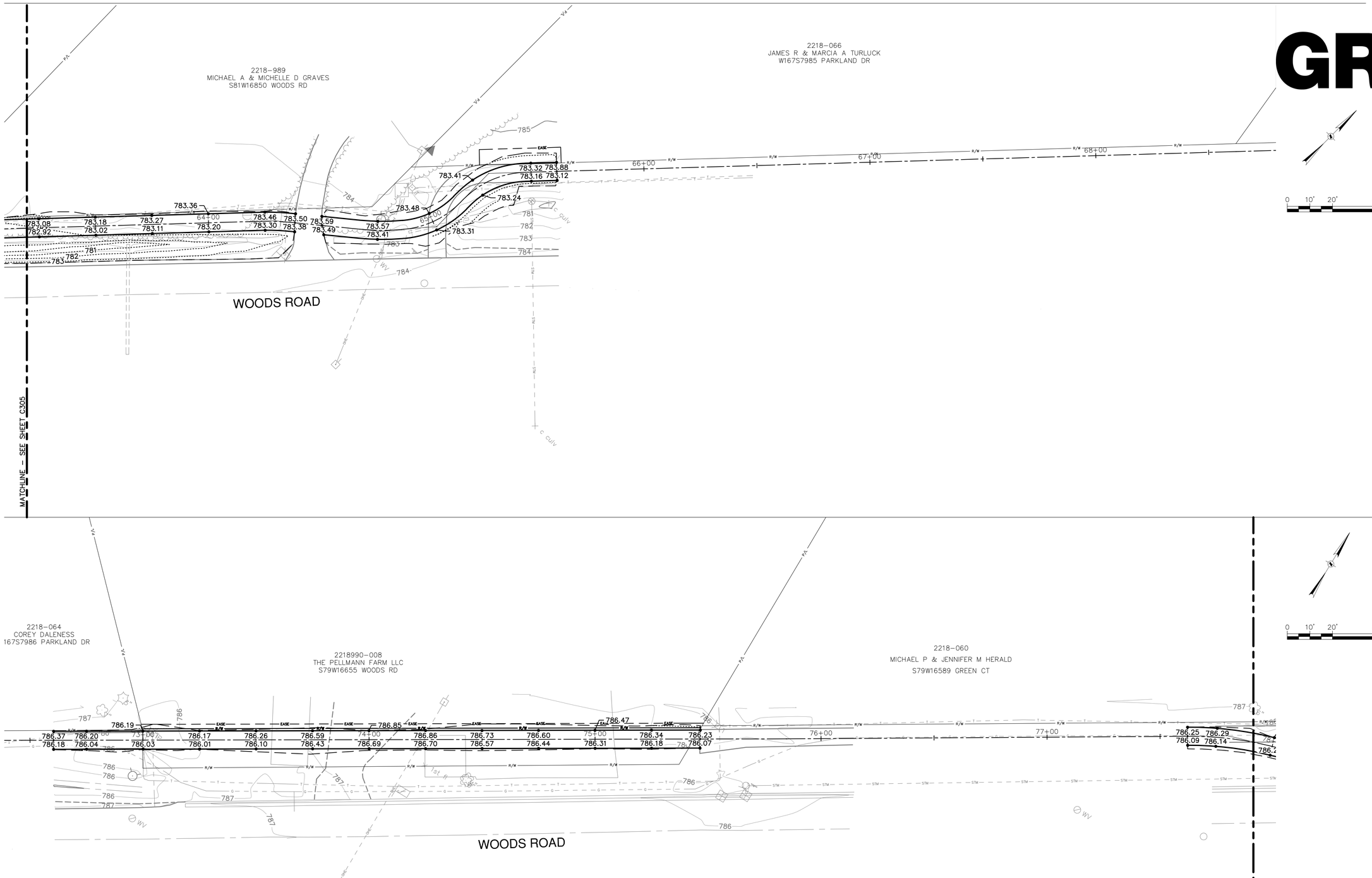
NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:
GRADING AND UTILITY PLAN

SHEET NUMBER:
C305



LEGEND

·····100·····	–PROPOSED CONTOUR
–STM– – – – –	–PROPOSED STORM SEWER
— — — —	–PROPOSED GRADING LIMITS
●	–PROPOSED MANHOLE
■	–PROPOSED STORM INLET
▽	–PROPOSED FLARED END SECTION
XXX.XX •	–PROPOSED SPOT GRADE
XXX.XX / XXX.XX	–PROPOSED TOP OF CURB GRADE –PROPOSED EDGE OF PAVEMENT GRADE

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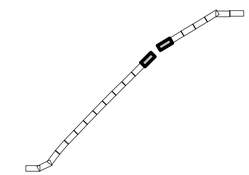
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

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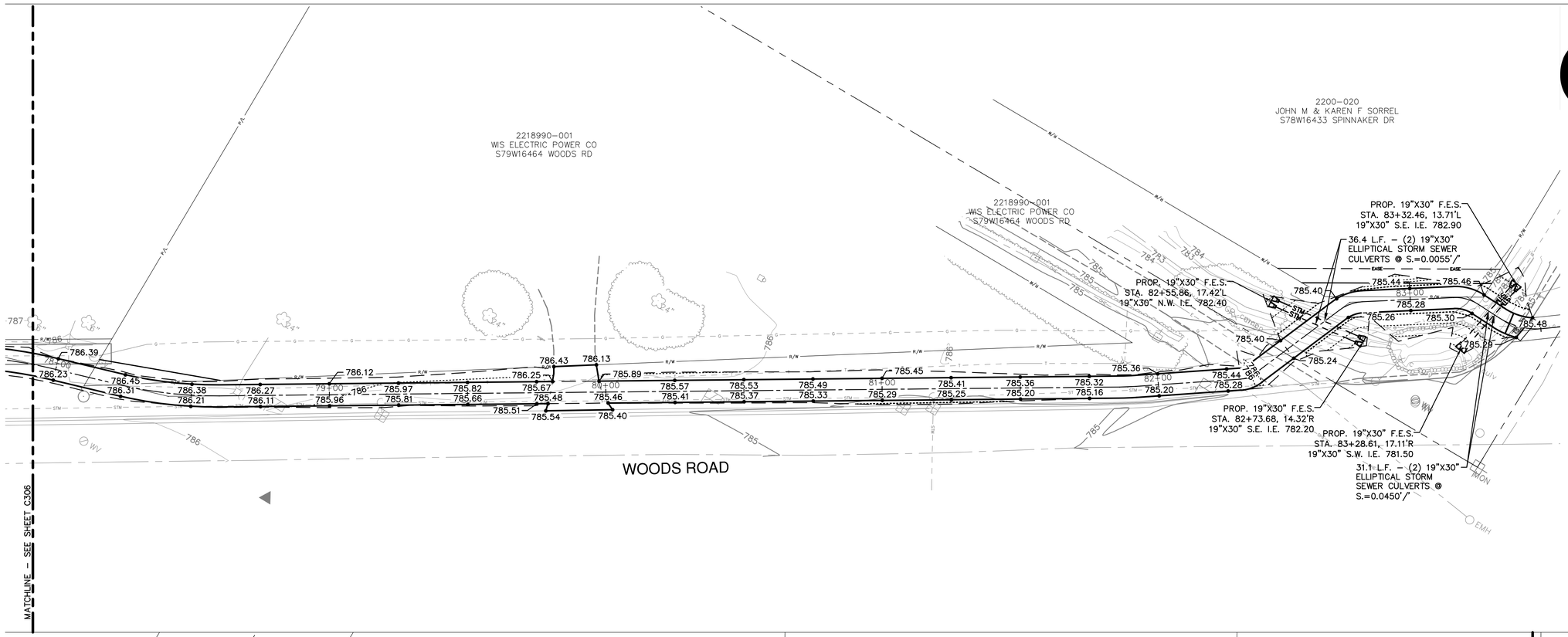
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

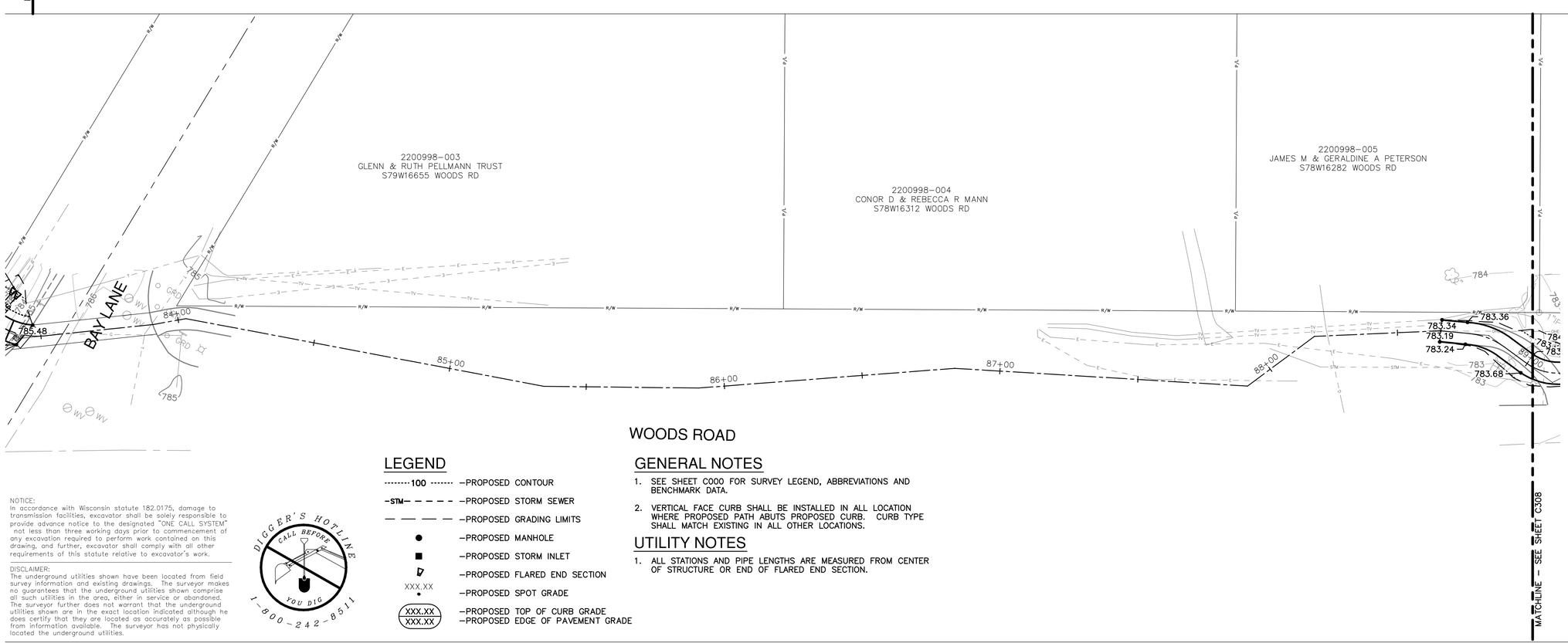
SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

C306





LEGEND

- 100 – PROPOSED CONTOUR
- STM – PROPOSED STORM SEWER
- PROPOSED GRADING LIMITS
- PROPOSED MANHOLE
- PROPOSED STORM INLET
- PROPOSED FLARED END SECTION
- XXX.XX – PROPOSED SPOT GRADE
- XXX.XX / XXX.XX – PROPOSED TOP OF CURB GRADE / PROPOSED EDGE OF PAVEMENT GRADE

GENERAL NOTES

1. SEE SHEET C000 FOR SURVEY LEGEND, ABBREVIATIONS AND BENCHMARK DATA.
2. VERTICAL FACE CURB SHALL BE INSTALLED IN ALL LOCATION WHERE PROPOSED PATH ABUTS PROPOSED CURB. CURB TYPE SHALL MATCH EXISTING IN ALL OTHER LOCATIONS.

UTILITY NOTES

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NOTICE:
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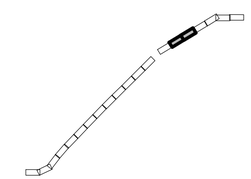
0 10' 20' 40'

KEY MAP:



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WOODS ROAD TRAIL CONSTRUCTION

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SHEET TITLE:
GRADING AND UTILITY PLAN

SHEET NUMBER:
C307

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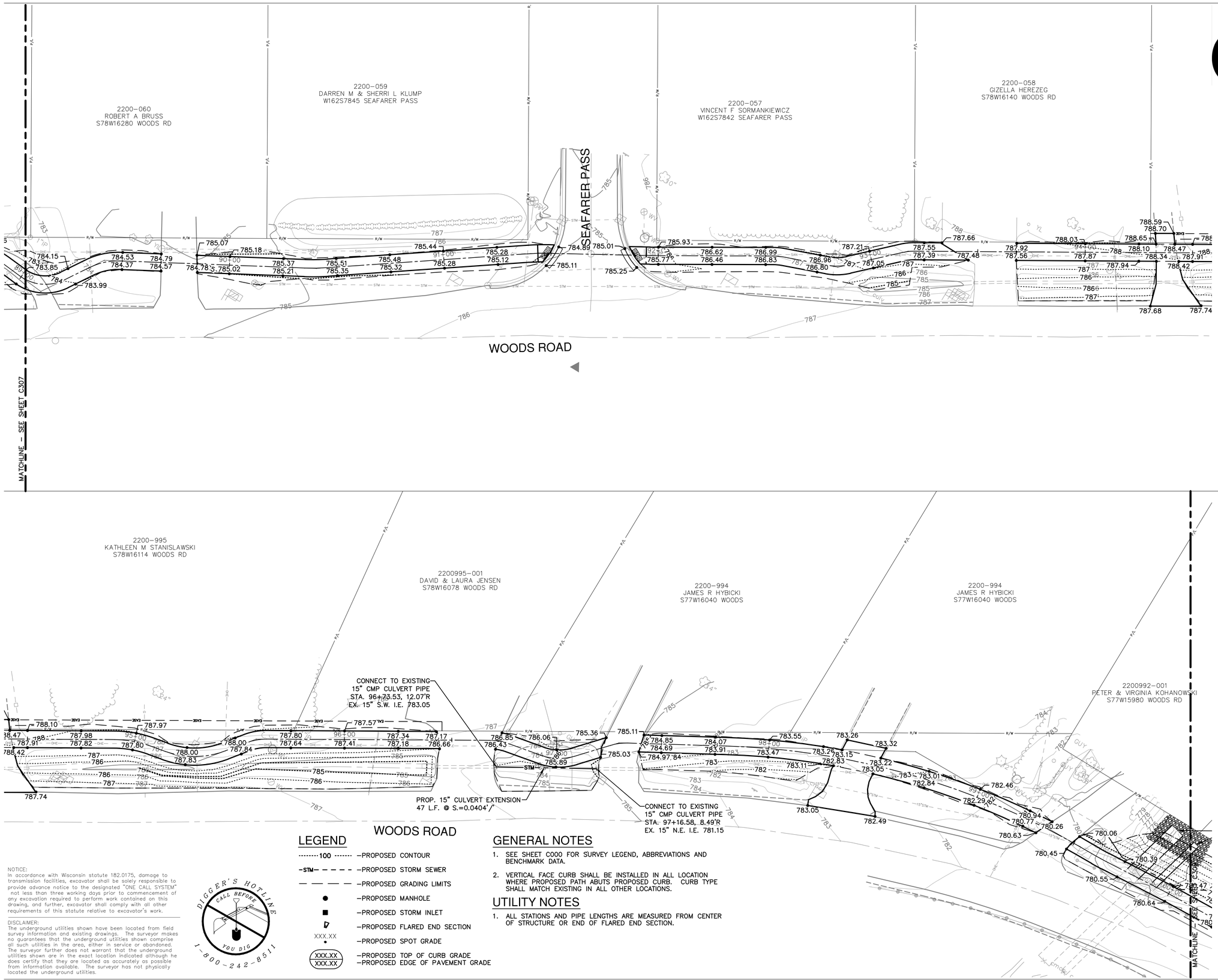

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- PROPOSED GRADING LIMITS
- PROPOSED MANHOLE
- PROPOSED STORM INLET
- PROPOSED FLARED END SECTION
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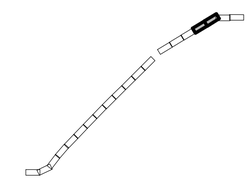
KEY MAP:



PROJECT TITLE:
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WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

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SCALE:	AS SHOWN
FILE PATH:	C_00_C300_GRADING_370

SHEET TITLE:
GRADING AND UTILITY PLAN

SHEET NUMBER:
C308

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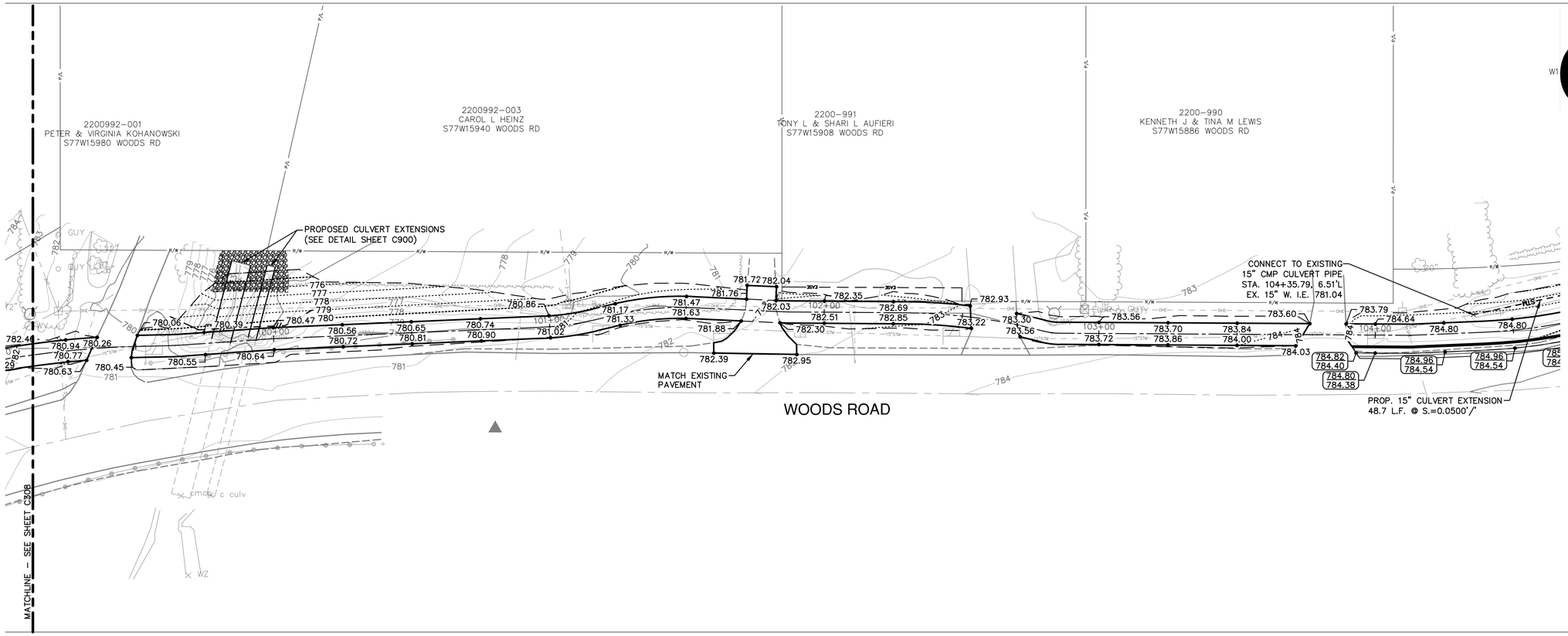

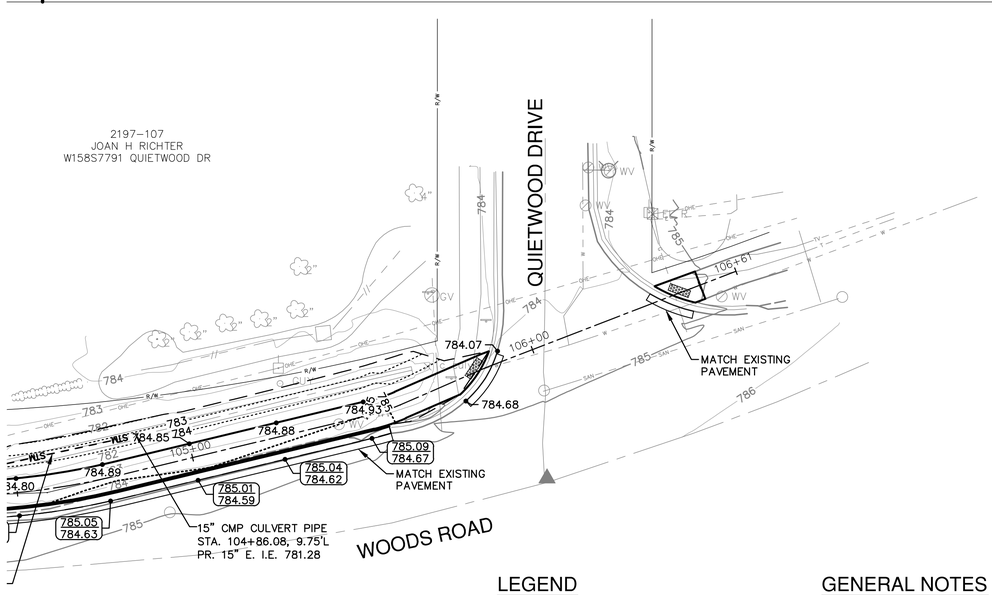

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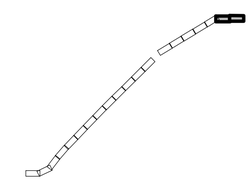
KEY MAP:



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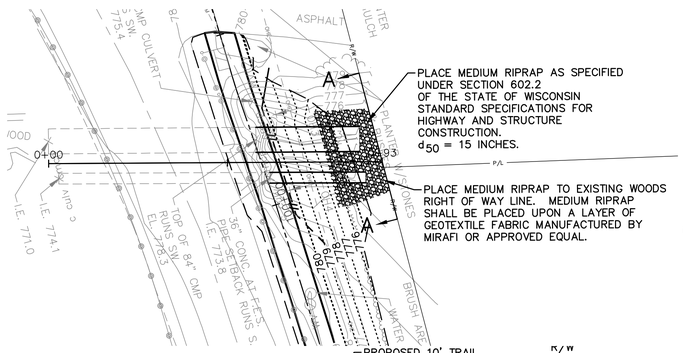
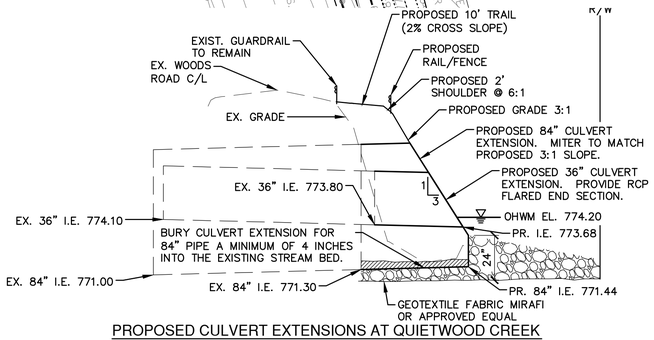
SHEET TITLE:

GRADING AND UTILITY PLAN

SHEET NUMBER:

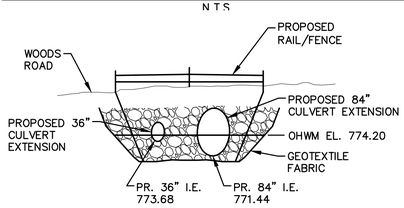
C309





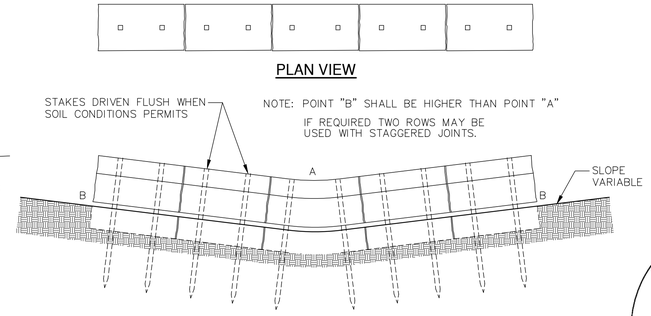
PROPOSED CULVERT EXTENSIONS AT QUIETWOOD CREEK

N.T.S.



SECTION A-A LOOKING DOWNSTREAN FROM RIGHT-OF-WAY

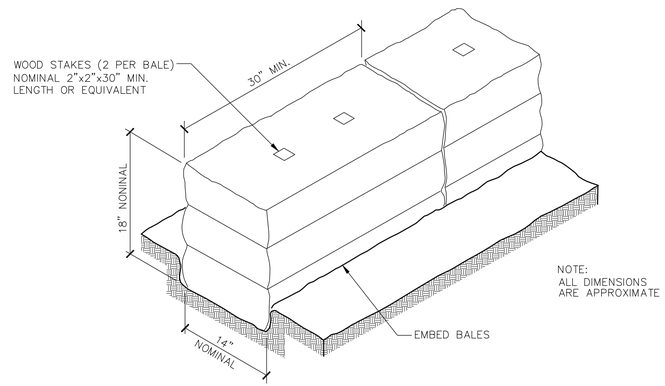
N.T.S.



FRONT ELEVATION

EROSION BALES ACROSS DITCH BOTTOM

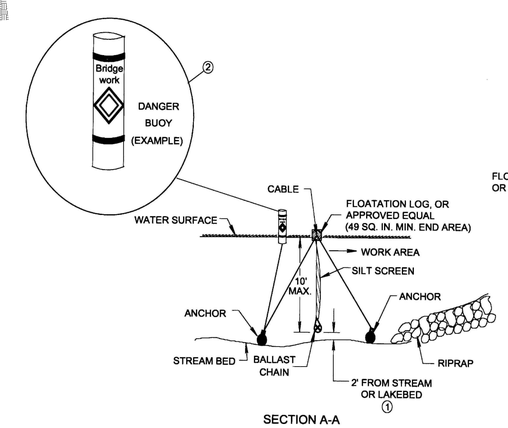
N.T.S.



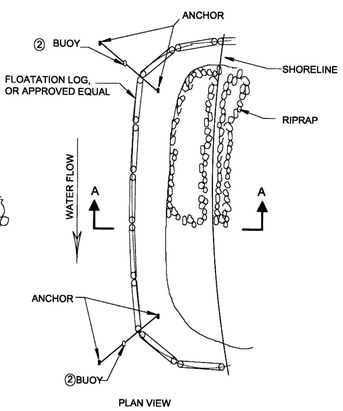
DETAIL OF EROSION BALE INSTALLATION

N.T.S.

NOT TO SCALE



SECTION A-A



PLAN VIEW

FIGURE 1. SILT CURTAIN PLACEMENT DETAIL

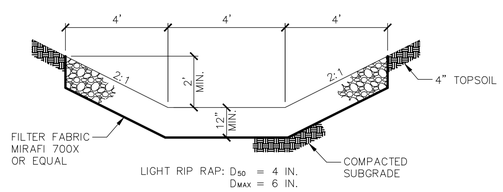
This drawing based on Wisconsin Deptartment of Transportation Standard Detail Drawing 8 E 12-1.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD AND THE APPLICABLE SPECIAL PROVISIONS

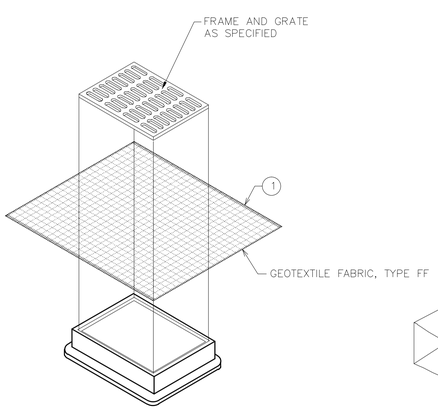
① 2' SHALL BE MAINTAINED DURING CONSTRUCTION PERIOD

② USE AS DIRECTED BY COAST GUARD OR WDNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS



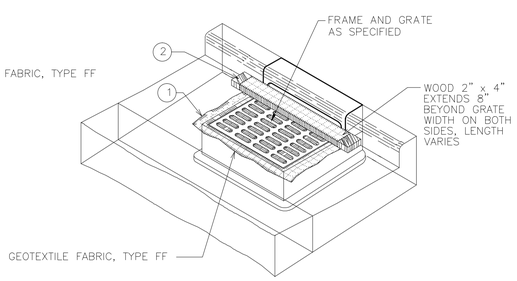
LIGHT STONE RIP RAP

N.T.S.

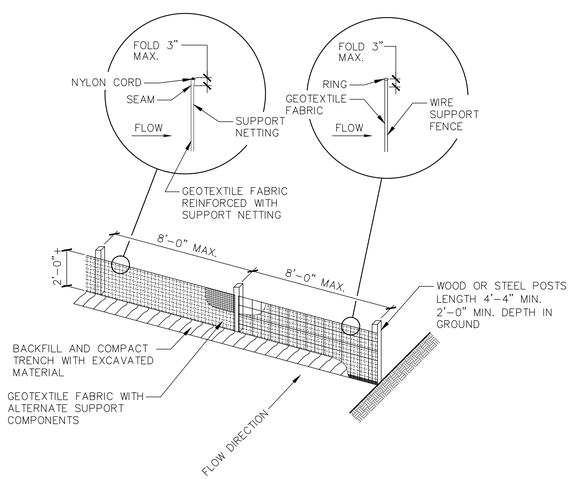


INLET PROTECTION, TYPE B (WITHOUT CURB BOX)

(CAN BE INSTALLED ON ANY INLET TYPE)



INLET PROTECTION, TYPE C (WITH CURB BOX)

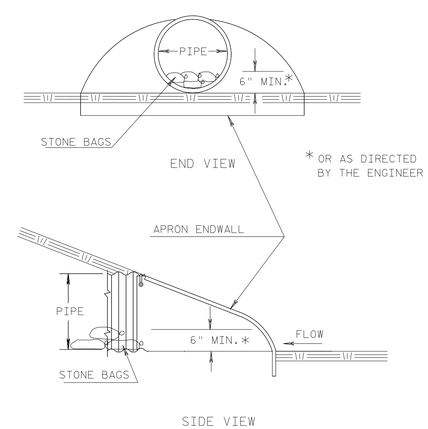


ALTERNATE "A"

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

SILT FENCE

N.T.S.



CULVERT PIPE DITCH CHECK

N.T.S.

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMEDIN ACCORDANCE WITH THE CITY OF MUSKEGO STANDARD SPECIFICATIONS, AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITIONS.
2. ALL PROPOSED RIM ELEVATIONS ARE APPROXIMATE RIM ELEVATIONS. RIM ELEVATIONS TO BE DETERMINED BY ENGINEER IN FIELD.
3. CONTRACTOR SHALL REMOVE SIGNS, MAILBOXES, ETC. DURING CONSTRUCTION. IMMEDIATELY AFTER PIPE INSTALLATION AND BACKFILL OCCURS, ALL SIGNS, MAILBOXES, ETC. SHALL BE RETURNED TO THEIR PREVIOUS LOCATION. ALL STOP SIGNS MUST BE DISPLAYED AT ALL TIMES.
4. ACCESS TO ALL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ANY DRIVEWAY CLOSURES SHALL BE COORDINATED WITH HOMEOWNER.
5. ROADS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES.

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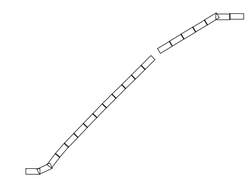
KEY MAP:



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SHEET TITLE:

CONSTRUCTION DETAIL SHEET

SHEET NUMBER:

C900

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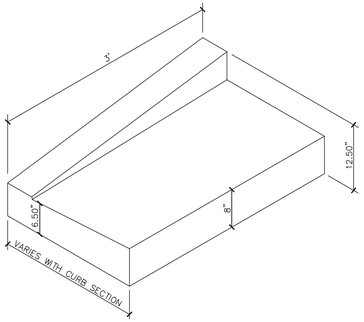
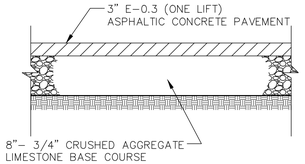


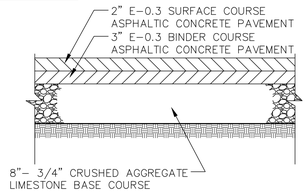
3' CURB TAPER SECTION

N.T.S.



TYPICAL ASPHALT PATH SECTION

N.T.S.



TYPICAL ROAD ASPHALT PATH SECTION

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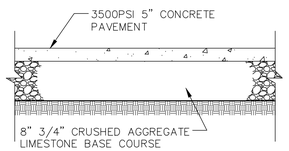
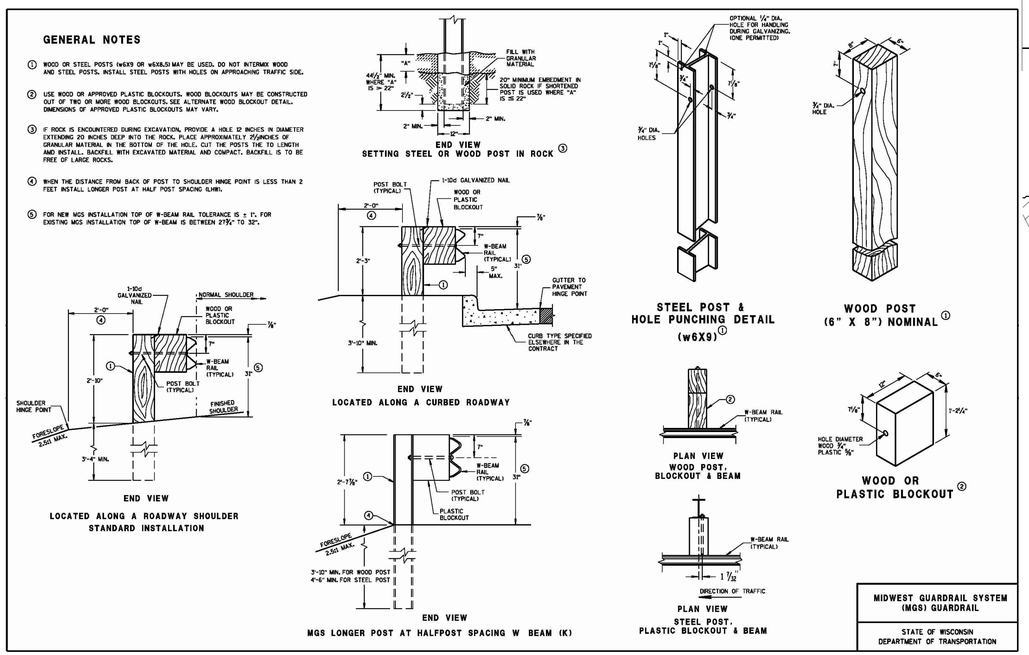


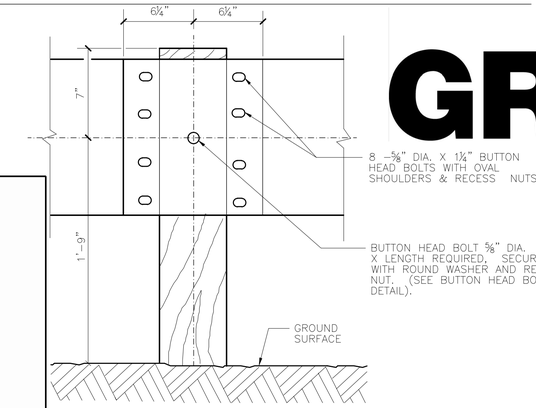
TYPICAL CONCRETE PATH SECTION AT CURB RAMPS

N.T.S.

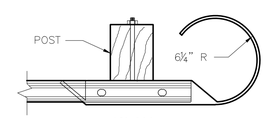


GUARD RAIL

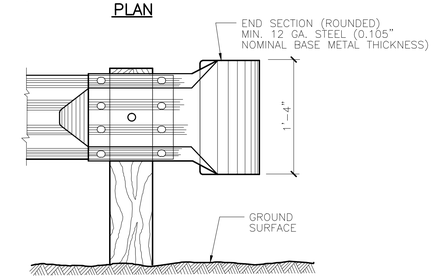
N.T.S.



RAIL ELEMENT SPLICING AND POST MOUNTING DETAIL

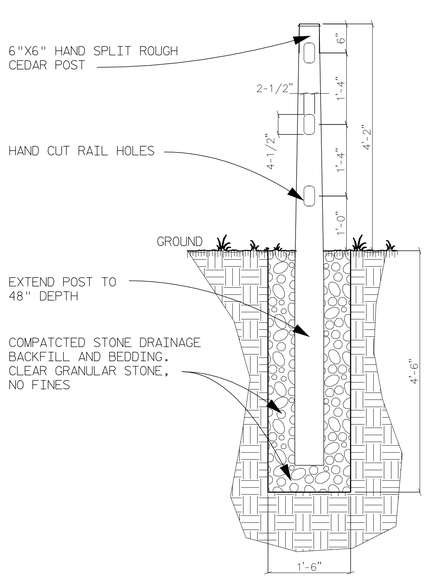


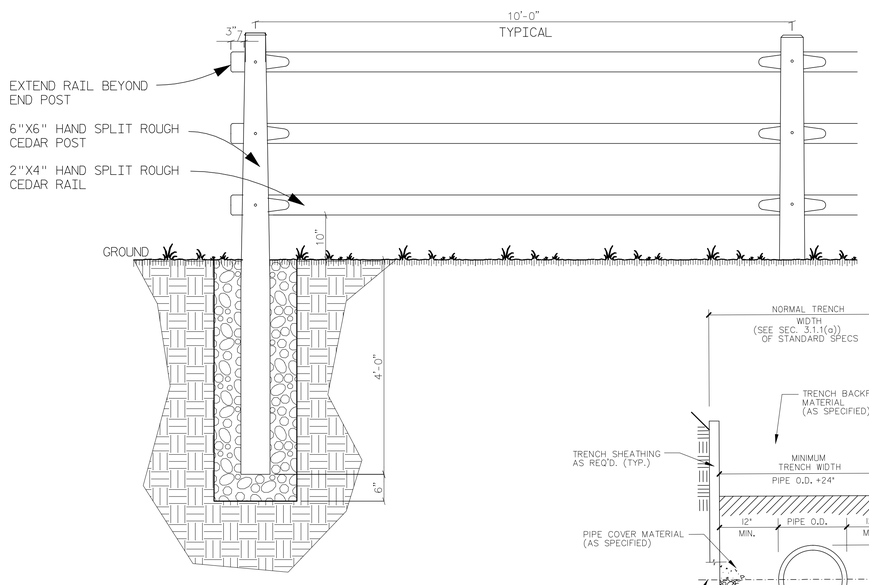
PLAN



FRONT ELEVATION

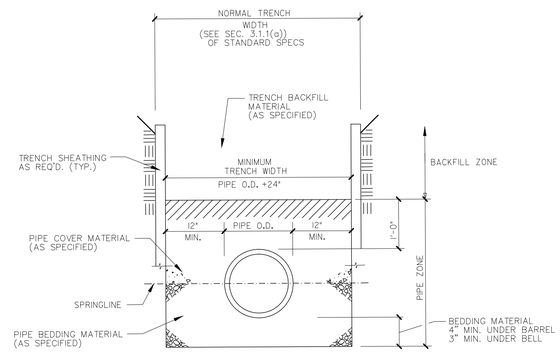
END SECTION (ROUNDED) DETAILS





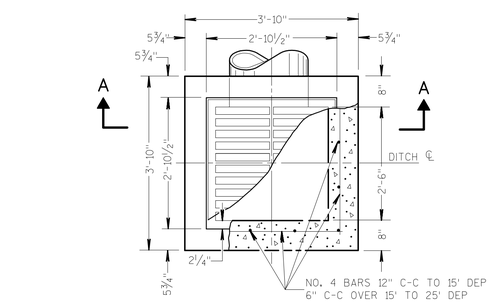
SPLIT RAIL FENCE

N.T.S.

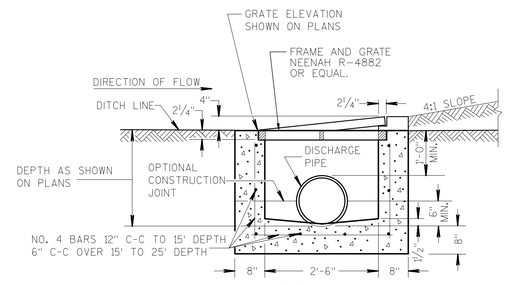


UTILITY TRENCH DETAIL

N.T.S.



PLAN VIEW



SECTION A-A

REINFORCED CONCRETE INLET TYPE 8

N.T.S.

GRAEF

One Honey Creek Corporate Center
125 South 84th Street, Suite 401
Milwaukee, WI 53214-1469
414 / 259 1500
414 / 259 0037 fax

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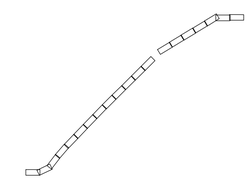
KEY MAP:



PROJECT TITLE:

CITY OF MUSKEGO
WOODS ROAD TRAIL CONSTRUCTION

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	2011-0370
DATE:	05/03/12
DRAWN BY:	FKO
CHECKED BY:	AS
APPROVED BY:	MNP
SCALE:	AS SHOWN
FILE PATH:	C_00_C900_DETAILS_370

SHEET TITLE:

CONSTRUCTION DETAIL SHEET

SHEET NUMBER:

C901

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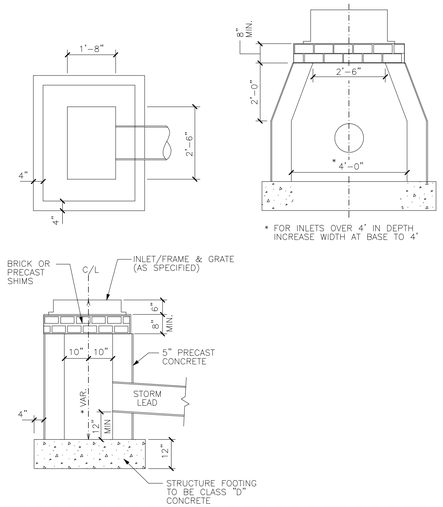
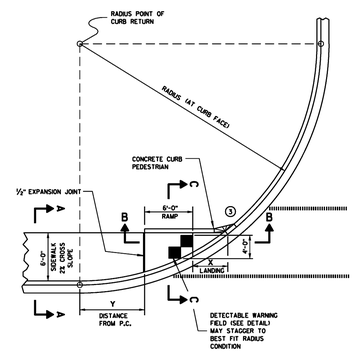


STANDARD CATCH BASIN

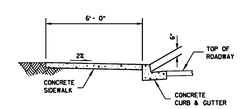
N.T.S.



CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1⅜"	2'-7¼"
30 FEET	7'-11⅜"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8⅜"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A

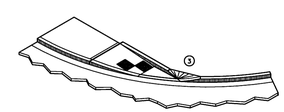
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

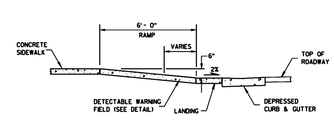
RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

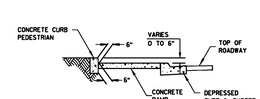
③ INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW



SECTION B-B



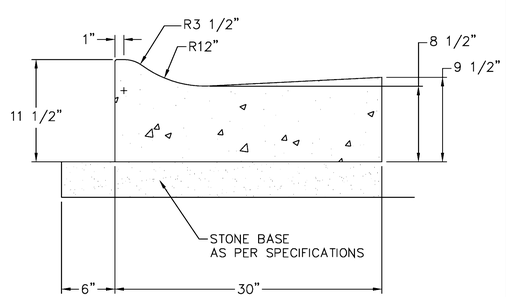
SECTION C-C

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

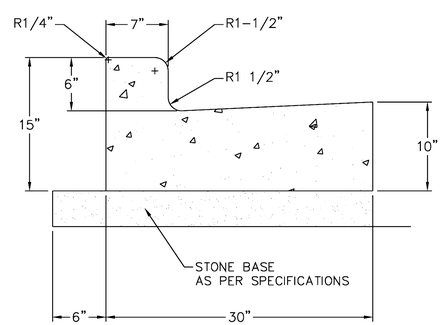


CITY OF MUSKEGO

STANDARD MOUNTABLE CURB & GUTTER

REVISED: JULY, 2001

#2A

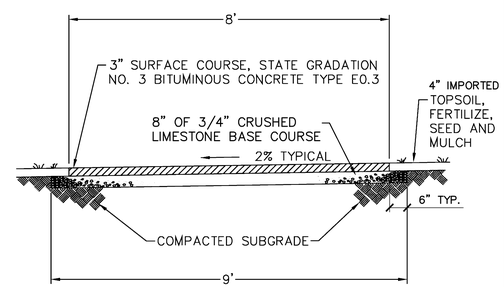


CITY OF MUSKEGO

STANDARD VERTICAL FACE CONCRETE CURB & GUTTER WHERE SPECIFIED BY CITY

REVISED: JULY, 2001

#2B

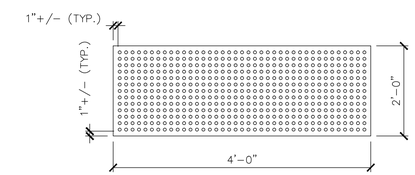


CITY OF MUSKEGO

TYPICAL RECREATIONAL TRAIL- ASPHALT

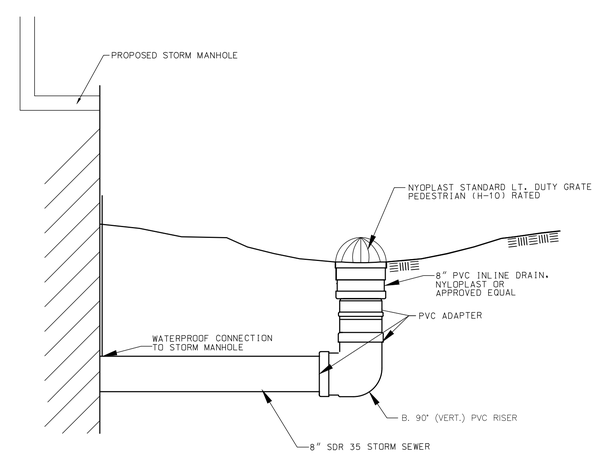
REVISED: AUGUST, 2003

#3A



DETAIL OF TRUNCATED DOME PANELS

N.T.S.



LANDSCAPE AREA DRAIN

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GRAEF

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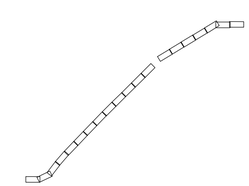

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SHEET TITLE:

CONSTRUCTION DETAIL SHEET

SHEET NUMBER:

C902

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