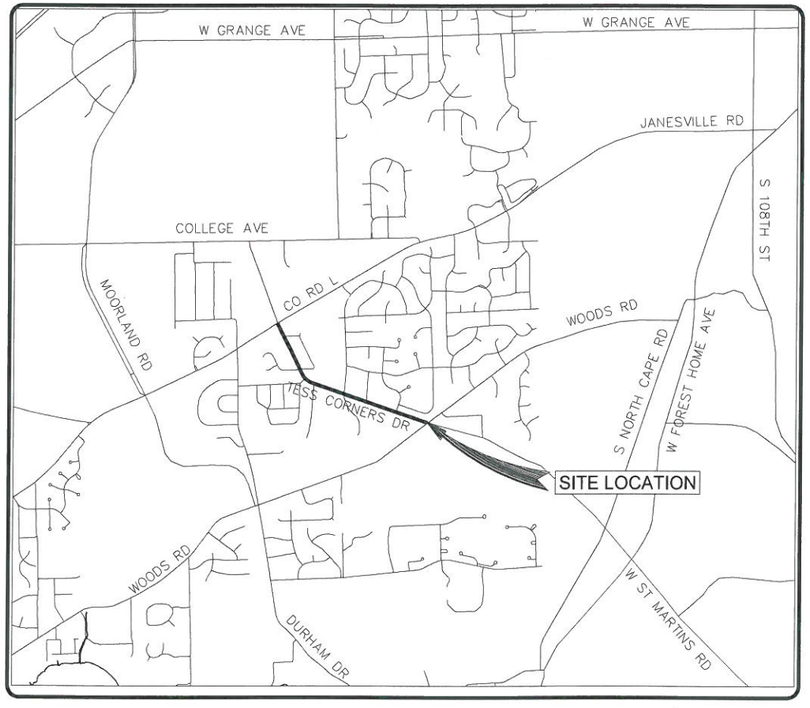
CONSTRUCTION DRAWINGS
FOR

TESS CORNERS DRIVE RECONSTRUCTION

FINAL PLANS
CITY OF MUSKEGO

WAUKESHA COUNTY, WISCONSIN
MAY 2012



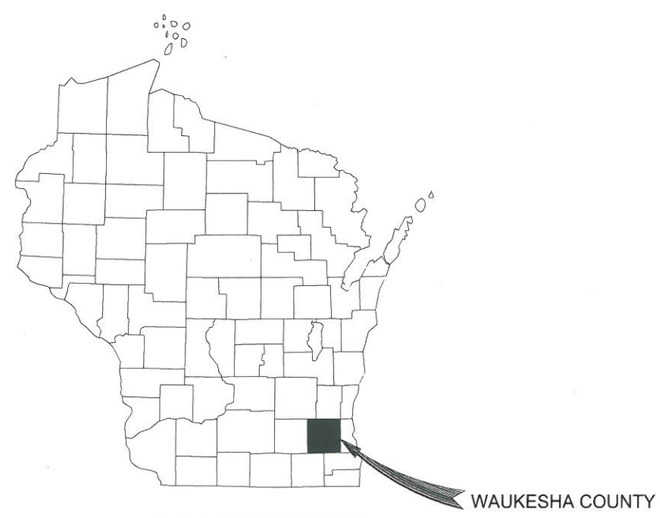
SITE LOCATION MAP
SECTION 1 T. 5 N., R. 20 E.

N

Prepared By

Foth

PROJECT I.D. 11M126-00



COUNTY LOCATION MAP

INDEX

SHEET	DESCRIPTION
G0.01	TITLE SHEET
G0.02	STANDARD ABBREVIATIONS AND SYMBOLS
G0.03	GENERAL NOTES
G0.04	ALIGNMENT DIAGRAM
G0.05	DETOUR PLAN
G0.06	DETOUR PLAN SIGNS
C1.01 - C1.10	PLAN AND PROFILES - STORM SEWER AND ROADWAY
C2.01 - C2.02	TYPICAL SECTIONS
C3.01 - C3.42	CROSS SECTIONS
C4.01 - C4.05	EROSION CONTROL PLAN
C4.06 - C4.10	PAVEMENT MARKING
C4.11	CULVERT PLAN
C5.01 - C5.06	CONSTRUCTION DETAILS
C5.07	EXCAVATION QUANTITIES

ACCEPTED: _____ DATE: 5-24-12
MUSKEGO CITY ENGINEER

WISCONSIN
MICHELE F. KLAPPA-SULLIVAN
E-29300
Oak Creek, Wis.
PROFESSIONAL ENGINEER

STAMPS

TITLE SHEET | G0.01

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MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL EXISTING	SYMBOL PROPOSED
SANITARY SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L) SAN	LENGTH - SIZE MATL SAN
SANITARY FORCE MAIN (PLAN) - LENGTH-DIA. MATERIAL	(SIZE & MAT'L) FM	LENGTH - SIZE MATL FM
STORM SEWER (PLAN) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L.) STM	LENGTH - SIZE MATL STM
WATER MAIN (PLAN)- LENGTH-DIA. MATERIAL-(FITTING-FITTING)	(SIZE & MAT'L.) WM	LENGTH - SIZE MATL (FIT FIT) WM
SANITARY SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L)	XXX'- XX" PVC SAN @ 0.00%
SANITARY FORCEMAIN (PROFILE) - DIA. MATERIAL	(SIZE & MAT'L)	XXX'- XX" FORCEMAIN @ 0.00%
STORM SEWER (PROFILE) - LENGTH-DIA. MATERIAL @ GRADE	(SIZE & MAT'L.)	XXX'- XX" RCP STM @ 0.00%
WATER MAIN (PROFILE)- DIA. MATERIAL	(SIZE & MAT'L.)	X" PVC WM.
DRAINAGE DITCH		
GAS MAIN	G	G
ELECTRIC - BURIED	E	E
ELECTRIC - OVERHEAD	OHE	OHE
TELEPHONE - BURIED	T	T
TELEPHONE - BURIED (FIBER OPTIC)	FO	FO
TELEPHONE - OVERHEAD	OHT	OHT
CABLE TELEVISION - BURIED	CTV	CTV
CABLE TELEVISION - OVERHEAD	OHC	OHC
OVERHEAD CABLE (MISCELLANEOUS)	OH	OH
CENTERLINE		
SURVEY LINE	PI	PI
CONSTRUCTION REFERENCE LINE		
RIGHT-OF-WAY LINE	ROW	ROW
PROPERTY LINE		
EASEMENT LINE		
SECTION LINE		
QUARTER SECTION LINE		
OFFSET OR SETBACK LINE		
PAVEMENT (STREET, DRIVE, SIDEWALK, ETC.)		
GRAVEL		
CURB & GUTTER		
RAILROAD		
FENCE - AS LABELED	x x	x
SWING GATE		
SLIDE GATE		
GUARDRAIL		
EDGE OF RIVER OR LAKE		
MARSH OR WETLAND		

DETAIL DESIGNATION

C1.01 | A
- SECTION LETTER
- DRAWING NUMBER— ON PLAN VIEW SHOWS WHERE SECTION IS SHOWN. ON SECTION VIEW SHOWS FIRST DRAWING SECTION IS CUT.

SECTION

C5.01 | 2
- DRAWING NUMBER ON WHICH DETAIL IS SHOWN (ONLY WHEN DETAIL IS NOT SHOWN IN THE SCHEDULES AND DETAILS SECTION OF THE PLANS)
- DETAIL NUMBER

DETAIL

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL EXISTING	SYMBOL PROPOSED
BENCH MARK	BM 5 ELEV 891.22	
CATCH BASIN/INLET		
CLEAN OUT		
CONTROLLER BOX		
CONTROL POINT		CP
CULVERT	(DIA. & TYPE)	(LENGTH-DIA. & TYPE)
CURB STOP G=GAS W=WATER	G OR W	G OR W
DRAINAGE ARROW		
ELECTRIC PEDESTAL	E	E
ELECTRIC TRANSFORMER		
FIRE ALARM BOX	F	F
FIRE HYDRANT		
GAS PROBE		
GAS VENT		
GUY ANCHOR		
GUY POLE		
IRON PIPE = IP IRON ROD = IR	IP OR IR	IP OR IR
LIFT STATION	LS	LS
LIGHT - ORNAMENTAL		
LIGHT - STREET		
MAILBOX	MB	MB
CENTER SECTION	CENTER 32 SECTION	
SECTION CORNER	SECTION NW NE SW SE CORNER	

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL EXISTING	SYMBOL PROPOSED
MANHOLE ELECTRIC	E	
MANHOLE GAS	G	
MANHOLE MISCELANEOUS	MH	MH
MANHOLE SANITARY	SA	SA
MANHOLE SIGNAL	SI	SI
MANHOLE STORM	ST	ST
MANHOLE STORM INLET CATCH BASIN		
MANHOLE WATER	W	W
MANHOLE TELEPHONE	T	
METER - GAS	G	
METER - WATER	W	
PARKING METER	PM	PM
PEDESTAL CABLE TV	C	
PEDESTAL TELEPHONE	T	
REBAR	RB	RB
RIGHT-OF-WAY MARKER	ROW	
RAILROAD SIGNAL		
TRAFFIC JUNCTION BOX		
SOIL BORING	B	
SIGN		
SEPTIC TANK		
STUMP		
SHRUB		
BUSH CONIFER		
BUSH DECIDUOUS		

MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL EXISTING	SYMBOL PROPOSED
TREE DECIDUOUS/INCH DIA	12"	12"
TREE CONIFEROUS/INCH DIA	10"	10"
TREE LINE		
TRANSMISSION TOWER		
WELL (WATER SUPPLY) W=WATER M=MONITORING O=OBSERVATION G=GAS	W/M/O/G	W/M/O/G
VALVE: W=WATER, G=GAS	W OR G	W OR G
UTILITY POLE		
UTILITY POLE W/TRANSFORMER	T	T
UTILITY & LIGHT POLE		
RIPRAP		
ROCK FILLED FILTER BAG		
EROSION BALES		
SILT FENCE	SF	SF
MAJOR CONTOURS	890	695
MINOR CONTOURS		
DEPRESSION		
SPOT ELEVATIONS	+891.2	696.80
FEDERAL HIGHWAY	141	
INTERSTATE HIGHWAY	43	
STATE TRUNK HIGHWAY	29	
COUNTY TRUNK HIGHWAY	A	
ASPHALT TO BE REMOVED AND REPLACED		
CONCRETE TO BE REMOVED AND REPLACED		
GRAVEL TO BE REMOVED AND REPLACED		
GRADE ELEVATION (PROFILE)	840.9 (EXISTING) 839.81 (PROPOSED)	

LIST OF STANDARD ABBREVIATIONS

△	CENTRAL ANGLE OR DELTA
ADT	AVERAGE DAILY TRAFFIC
AGGR	AGGREGATE
AH	AHEAD
ASPH	ASPHALT
B/B	BACK TO BACK
BARR	BARRICADE
BOC	BACK OF CURB
BK	BACK
BLDG	BUILDING
BM	BENCH MARK
BSMT	BASEMENT
C	CUT
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CABC	CRUSHED AGGREGATE BASE COURSE
CB	CATCH BASIN
CE	CONSTRUCTION ENTRANCE
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CNTY	COUNTY
CO	CLEAN OUT
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONSTR JT	CONSTRUCTION JOINT
CP	CONTROL POINT
CTH	COUNTY TRUNK HIGHWAY
CTRL JT	CONTROL JOINT
CTV	CABLE TV
CU YD	CUBIC YARD
CS	CURB STOP
D	DEGREE OF CURVE
DD	DIRECTIONAL DRILLED
DEG	DEGREE
DIA	DIAMETER
DI	DUCTILE IRON PIPE
DISCH	DISCHARGE
DW	DRIVEWAY
E	EAST
EA	EACH
EB	EAST BOUND
EBS	EXCAVATION BELOW SUBGRADE
ECS	EXTERNAL CHIMNEY SEAL
EL	ELEVATION
ELEC	ELECTRIC (E WHEN USED IN LINE STYLE)
EMB	EMBANKMENT
ENTR	ENTRANCE
EP	EDGE OF PAVEMENT
ET	ELECTRIC TRANSFORMER
EW	ENDWALL
EXC	EXCAVATION
EXIST	EXISTING
F	FILL
F/F	FACE TO FACE
FDN	FOUNDATION
FE	FIELD ENTRANCE
FERT	FERTILIZER
FH	FIRE HYDRANT
FIN GR	FINISHED GRADE
FL	FLOW LINE
FM	FORCE MAIN
FO	FIBER OPTIC
FT	FOOT
FTG	FOOTING
G	GAS
GV	GAS VALVE
GW	GUY WIRE
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
HR	HANDICAP RAMP
HSE	HOUSE
HT	HEIGHT
I	INTERSECTION ANGLE
ICS	INTERNAL CHIMNEY SEAL
ID	INSIDE DIAMETER
IN	INCH
INL	INLET
INTERS	INTERSECTION
INV	INVERT
IP	IRON PIPE OR PIN
JCT	JUNCTION
L	LENGTH (OF CURVE)
LC	LONG CHORD OF CURVE
LP	LIGHT POLE
LS	LIFT STATION OR LUMP SUM
LT	LEFT
MAINT	MAINTENANCE
MATL	MATERIAL
MB	MAILBOX
MG	METER-GAS
MH	MANHOLE
MP	MARKER POST
MW	METER-WATER OR MONITORING WELL
N	NORTH
NB	NORTHBOUND
NC	NORMAL CROWN
NE	NORTHEAST
NO	NUMBER
NTS	NOT TO SCALE
NW	NORTHWEST
O	OIL
O&C	OIL & CHIP
OBLIT	OBLITERATE
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PED	PEDESTAL
PLE	PERMANENT LIMITED EASEMENT
PVMT	PAVEMENT
PCC	PORTLAND CEMENT CONCRETE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PJF	PRE-FORMED JOINT FILLER
PL	PROPERTY LINE
POC	POINT OF CURVE
POT	POINT ON TANGENT
PP	POWER POLE
PRC URE	POINT OF REVERSE CURVATURE
PROJ	PROJECT
PROP	PROPOSED
PSI	POUND PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVC OR	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVRC	POINT OF VERTICAL REVERSE CURVE
PVT	POINT OF VERTICAL TANGENCY
R	RANGE OR RADIUS
RCP	REINFORCED CONCRETE PIPE
REBAR	REINFORCEMENT BAR
REL	RELOCATE
REM	REMAINING
REQD	REQUIRED
RL	REFERENCE LINE
ROW	RIGHT-OF-WAY
RP	REFERENCE POINT
RR	RAILROAD
RT	RIGHT
RW	RETAINING WALL
S	SOUTH
SALV	SALVAGE
SAN	SANITARY
SC	STORM CONNECTION
SB	SOUTHBOUND
SDWK	SIDEWALK
SE	SOUTHEAST
SF	SILT FENCE
SIG	SIGNAL
SL	SANITARY LATERAL
SQ FT	SQUARE FEET
SHLDR	SHOULDER
SQ YD	SQUARE YARD
SSD	STOPPING SIGHT DISTANCE
STA	STATION
STD	STANDARD
STH	STATE TRUNK HIGHWAY
STM	STORM OR STORM SEWER
STP	SEWAGE TREATMENT PLANT
STRUCT	STRUCTURE OR STRUCTURAL
SW	SOUTHWEST
TAN	TANGENT
T	TOWN (T WHEN USED FOR TELEPHONE LINE)
TEL	TELEPHONE
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TOC	TOP OF CURB
TRANS	TRANSITION
TYP	TYPICAL
UG	UNDERGROUND
USH	US HIGHWAY
VC	VERTICAL CURVE
VERT	VERTICAL
VOL	VOLUME
W	WEST
WB	WESTBOUND
WM	WATER MAIN
WS	WATER SERVICE
WTP	WATER TREATMENT PLANT
WV	WATER VALVE
WWTP	WASTE WATER TREATMENT PLANT
YD	YARD

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY CITY OF MUSKEGO, WISCONSIN

REVISIONS NO.	BY	DATE	DESCRIPTION
△			
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RECORD DRAWING OF COMPLETED CONSTRUCTION BY
RECORD DRAWINGS OF COMPLETED CONSTRUCTION CONFORMING TO CONTRACTOR AND/OR OWNERS RECORDS.
BY ______ DATE ______

Date of Preparation:

	BY	DATE
SURVEYED	JSH	10/31/2011
DRAWN	MLH	05/24/2012
DESIGNED	MPS	05/24/2012
CHECKED	MKS	05/24/2012

STANDARD SYMBOL & ABBREVIATIONS SHEET

HORIZONTAL SCALE:
0

PROJECT ID 11M126.00

G0.02
SHEET 2 OF 79

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May 21, 2012 - 5:08pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\11M126-00 G0.02-STANDARD ABBREVIATIONS.dwg

CONSTRUCTION SEQUENCE:

1. A PRECONSTRUCTION MEETING MUST BE HELD BEFORE ANY CONSTRUCTION ACTIVITIES TAKE PLACE (END OF JUNE).
2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT OF ALL OFFSITE DISPOSAL LOCATIONS, INCLUDING ESTIMATED QUANTITIES, PRIOR TO EXPORTING MATERIAL FROM THE SITE.
3. IT IS ANTICIPATED THAT CONSTRUCTION WILL BEGIN IN JULY 2, 2012.
4. CONTRACTOR SHALL INSTALL EROSION CONTROLS AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER BEFORE ANY GRADING ACTIVITIES TAKE PLACE.
5. CONTRACTOR SHALL INSTALL ALL DETOUR AND TRAFFIC CONTROL.
6. CONTRACTOR SHALL MAINTAIN EXISTING CULVERTS AND DRAINAGE FLOW UNTIL NEW CULVERTS ARE INSTALLED AND OPERATIONAL.
   (SEE SHEETS C4.11 AND C5.03 FOR CULVERT DETAILS AND NOTES).
7. ANY OFF-SITE FLOW THAT CAN BE BYPASSED AROUND THE CONSTRUCTION SITE SHALL BE BYPASSED.
8. LOCAL TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
9. CONTRACTOR HAS OPTION TO STRIP TOPSOIL, MECHANICALLY SCREEN IT, THEN STOCKPILE ON-SITE FOR REUSE, **OR** HAUL STRIPPED TOPSOIL OFF-SITE FOR DISPOSAL AND IMPORT CLEAN TOPSOIL AT TIME OF RESTORATION.
10. CULVERT HEADWALL SHALL BE RECONSTRUCTED.
11. CONTRACTOR SHALL ROUGH GRADE SITE, INSTALL CULVERTS, AND EXCAVATE ROADWAY.
12. EXCAVATION BELOW SUBGRADE, INSTALLATION OF UNDERDRAIN, SOIL STABILIZATION, AND SUBBASE AND BASE COURSE SHALL BE INSTALLED.
13. ASPHALT BINDER COURSE SHALL BE INSTALLED.
14. ASPHALT PATH SHALL BE GRADED AND INSTALLED.
15. SUBSTANTIAL COMPLETION IS SCHEDULED FOR OCTOBER 15, 2012.
16. ASPHALT SURFACE COURSE, AND DRIVEWAYS SHALL BE INSTALLED.
17. RESTORATION SHALL BE COMPLETED.
18. EROSION CONTROL DEVICES SHALL BE REMOVED AFTER VEGETATION IS ESTABLISHED.
19. FINAL COMPLETION IS SCHEDULED FOR NOVEMBER 15, 2012

GENERAL NOTES:

1. ALL TRAFFIC CONTROL AND MARKINGS SHALL BE IN COMPLIANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THESE PLANS AND SPECIAL PROVISIONS.
2. CONTRACTOR SHALL REMOVE ALL SIGNS, PROTECT AND CONFIRM WITH OWNER PRIOR TO REINSTALLATION. OWNER MAY PROVIDE NEW SIGNAGE PRIOR TO INSTALLATION.
3. SOILS REPORT INFORMATION IS PROVIDED IN THE SPECIFICATIONS.
4. CONTRACTOR SHALL PROOF ROLL SUBGRADE PRIOR TO PLACING STONE, AND PROOF ROLL EBS AREAS PRIOR TO PLACING BREAKER RUN MATERIAL. THE CONTRACTOR MUST PERFORM PROOF ROLL IN PRESENCE OF ENGINEER PRIOR TO ANY MATERIALS BEING PLACED.
5. ACTUAL QUANTITY OF EBS TO BE DETERMINED IN THE FIELD.
6. CONTRACTOR SHALL PROVIDE ACCESS TO LOCAL TRAFFIC AT ALL TIMES.
7. GUTTER PANS SHALL MATCH THE SLOPE OF THE ROADWAY IN SUPERELEVATED AREAS.
8. ALL VALVE BOXES, MANHOLES, AND CLEANOUTS SHALL BE ADJUSTED TO FINISHED GRADE. THIS WORK IS INCIDENTAL TO THE PROJECT UNLESS A SPECIFIC BID ITEM IS INCLUDED IN THE PROJECT MANUAL.
9. IF AN ELECTION OCCURS DURING CONSTRUCTION, THE CONTRACTOR SHALL ALLOW ACCESS TO THE POLLING LOCATION AS DIRECTED BY THE ENGINEER.
10. MAILBOXES SHALL BE REMOVED AND PROTECTED. BANKS OF TEMPORARY MAILBOXES SHALL BE INSTALLED AT A LOCATION DETERMINED BY THE POSTMASTER. MAILBOXES SHALL BE REINSTALLED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE.

EROSION CONTROL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THE DRAWINGS SHALL CONFORM TO THE FOLLOWING WDNR TECHNICAL STANDARDS:
   1051 * SEDIMENT CONTROL WATER APPLICATION OF POLYMERS
   1053 * EROSION MATTING
   1056 * SILT FENCE
   1057 * STONE TRACKING PAD AND TIRE WASHING
   1059 * SEEDING FOR CONSTRUCTION SITE EROSION CONTROL
2. ALL DISTURBED AREAS SHALL BE EROSION MATTED USING URBAN CLASS I TYPE A EROSION MAT.
3. PROVIDE CLASS I TYPE B EROSION MAT FOR THE BOTTOM 6 FEET OF ALL DRAINAGE WAYS SHOWN ON THE PLANS.
4. IN THE EVENT STOCKPILING IS NECESSARY, STOCKPILES SHOULD BE STABILIZED IF NOT TO BE USED WITHIN 30 DAYS. ANY DISTURBED AREA WHICH REMAINS INACTIVE GREATER THAN SEVEN (7) DAYS SHALL BE STABILIZED.
5. ALL DISTURBED AREAS SHALL BE TOPSOILED (4" MIN.), SEEDED (WIS. DOT MIXTURE #10 @ 1.5 LBS/ 1000 SQ. FT) AND MULCHED UNLESS OTHERWISE NOTED.
6. IN THE EVENT DEWATERING IS NECESSARY DURING EXCAVATION, CONTRACTOR SHALL UTILIZE TYPE II GEO-TEXTILE BAGS CONFORMING TO TECHNICAL STANDARD 1061 TO CONTROL SUSPENDED SEDIMENT DURING DEWATERING.
7. CONTRACTOR RESPONSIBLE FOR MAINTAINING EROSION CONTROL PRACTICES UNTIL SITE IS STABILIZED.
8. OFF-SITE FLOWS ARE LIMITED TO RUNOFF FROM PROPERTY ADJACENT TO ROADWAY. THEY ARE MINIMAL AND ARE NOT EXPECTED TO IMPACT ON-SITE EROSION CONTROL MEASURES DURING CONSTRUCTION.
9. TO ENSURE STABILITY OF EROSION CONTROL MEASURES, INSPECTIONS WILL WILL OCCUR WITHIN 24 HOURS OF A HEAVY RAIN EVENT AND EVERY 2 WEEKS.

MATERIALS MANAGEMENT NOTES:

1. DUE TO LIMITED SITE STORAGE AREA, ALL EXCAVATED MATERIAL WILL BE DISPOSED OF OFF SITE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. SEE CONSTRUCTION SEQUENCING NOTE #9 REGARDING TOPSOIL DETAILS.
3. IN THE EVENT STOCKPILING IS NECESSARY, SEE THE LOCATION AND EROSION CONTROL REQUIREMENTS DETAILED ON SHEET C4.05.
4. HAUL ROUTES ARE LIMITED TO JANESVILLE ROAD.
5. SINCE THE PROJECT AREA OF TESS CORNERS DRIVE WILL BE CLOSED TO THRU TRAFFIC, EQUIPMENT STAGING WILL OCCUR IN THE ROADWAY WHERE APPROPRIATE EROSION CONTROL MEASURES ARE ALREADY IN PLACE.
6. IN THE EVENT OF A SPILL OR IF CONTAMINATED MATERIAL IS ENCOUNTERED, CONTACT BIZHAN SHEIKHOLESLAMI OF THE WDNR WASTE RECYCLING AND REDUCTION PROGRAM TO DETERMINE APPROPRIATE ACTION.

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY

CITY OF MUSKEGO, WISCONSIN

REVISIONS

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DESIGNED	MPS	05/24/2012
CHECKED	MKS	05/24/2012

GENERAL NOTES

PROJECT ID 11M126.00

G0.03
SHEET 3 OF 79

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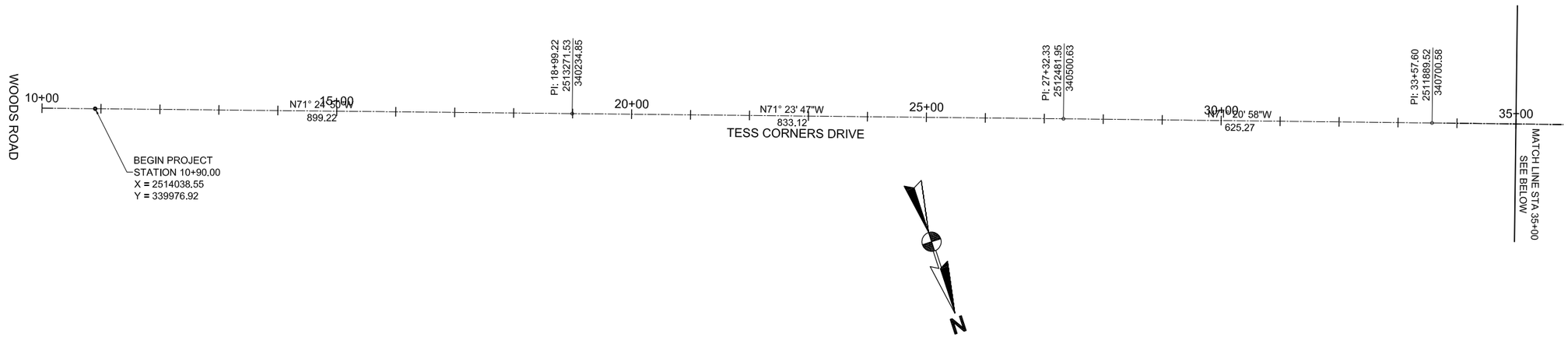
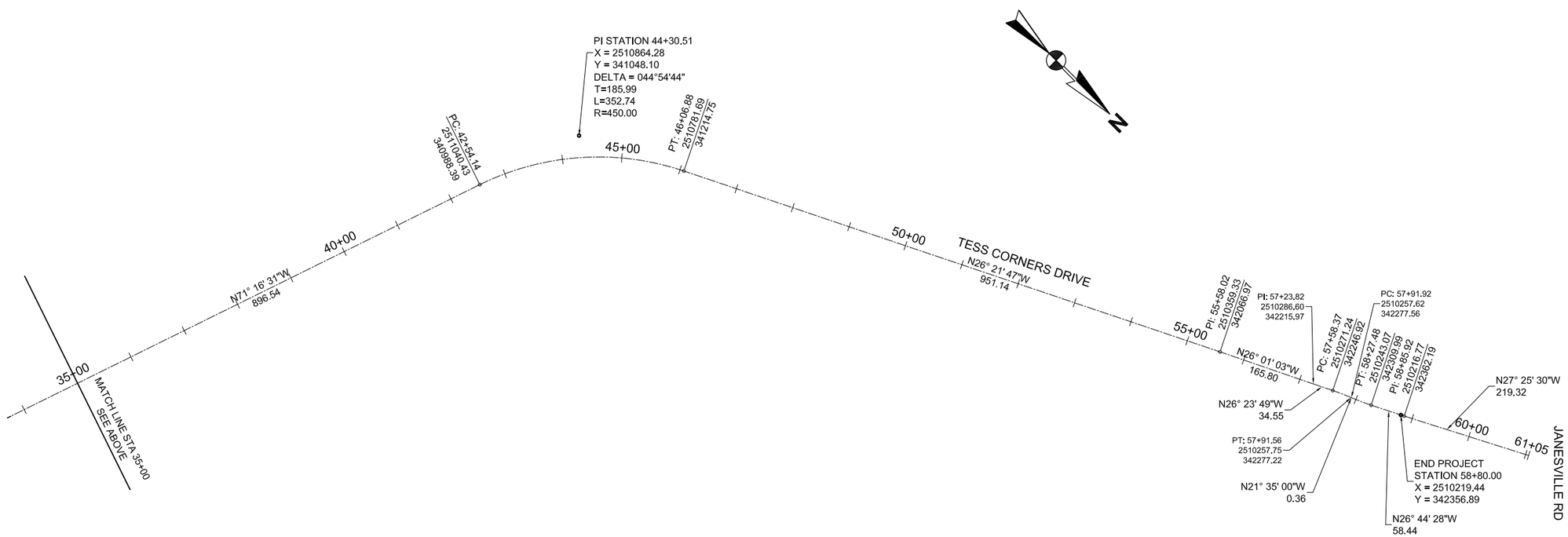
May 22, 2012 - 2:10pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\G0.03.dwg





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	BY	DATE
SURVEYED	JSH	10/31/2011
DRAWN	MLH	05/24/2012
DESIGNED	MPS	05/24/2012
CHECKED	MKS	05/24/2012

ALIGNMENT DIAGRAM

HORIZONTAL SCALE:
0 100 200

PROJECT ID 11M126.00

G0.04

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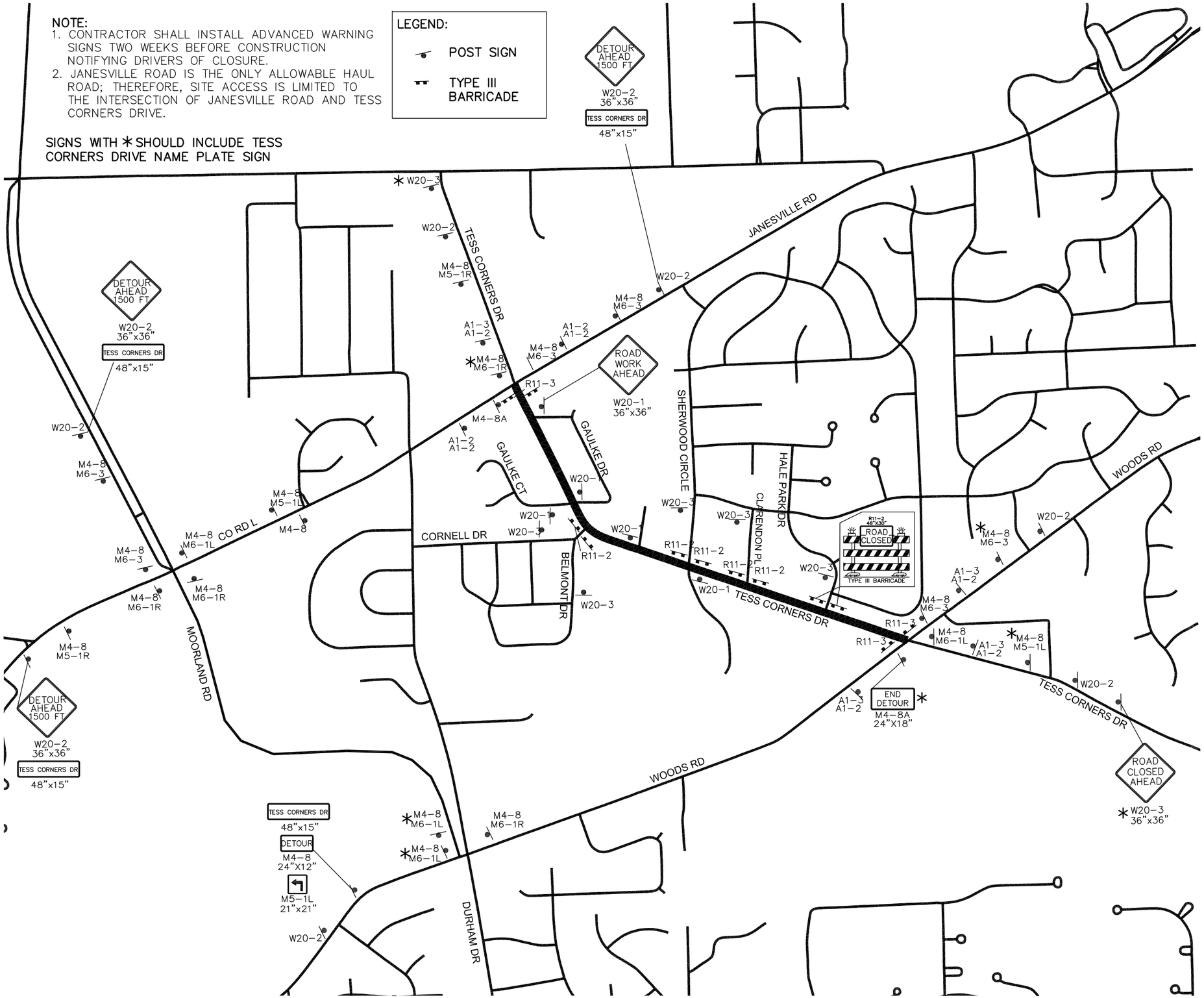
NOTE:
1. CONTRACTOR SHALL INSTALL ADVANCED WARNING SIGNS TWO WEEKS BEFORE CONSTRUCTION NOTIFYING DRIVERS OF CLOSURE.
2. JANESVILLE ROAD IS THE ONLY ALLOWABLE HAUL ROAD; THEREFORE, SITE ACCESS IS LIMITED TO THE INTERSECTION OF JANESVILLE ROAD AND TESS CORNERS DRIVE.

SIGNS WITH * SHOULD INCLUDE TESS CORNERS DRIVE NAME PLATE SIGN

LEGEND:
- POST SIGN
- TYPE III BARRICADE



May 21, 2012 - 3:14pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\11M126-00 G0.05-DETOUR PLAN.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY CITY OF MUSKEGO, WISCONSIN

REVISIONS

NO.	BY	DATE	DESCRIPTION
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RECORD DRAWING OF COMPLETED CONSTRUCTION BY

RECORD DRAWINGS OF COMPLETED CONSTRUCTION CONFORMING TO CONTRACTOR AND/OR OWNERS RECORDS.
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DETOUR PLAN

NTS

PROJECT ID 11M126.00

G0.05

SHEET 5 OF 79

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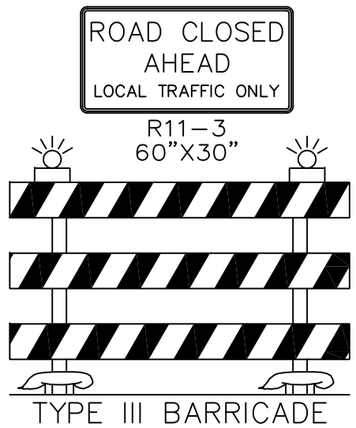
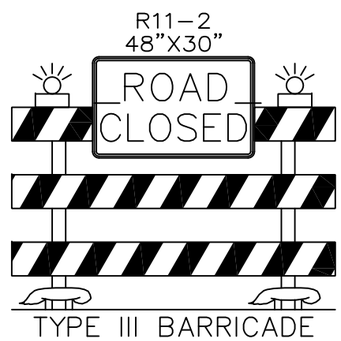
W20-1
36"x36"

W20-3
36"x36"

M6-3
21"x21"





48"x15"

M4-8A
24"X18"

48"x15"

M4-8
24"X12"

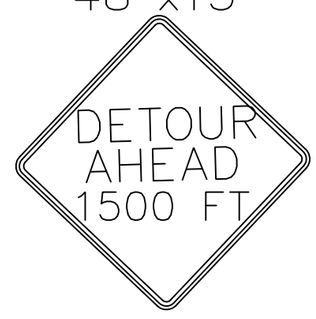
M5-1L
21"x21"

M6-1L
21"x21"

M5-1R
21"x21"

M6-1R
21"x21"

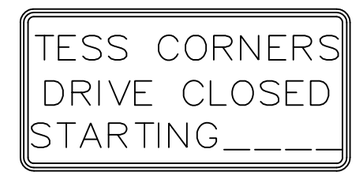
48"x15"



W20-2
36"x36"

A1-2
48"x15"

THIS SIGN TO REMAIN FOR ENTIRE PROJECT



A1-3
96"x48"

REMOVE THIS SIGN AS SOON AS PROJECT BEGINS

May 21, 2012 - 5:15pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\G0.06.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY **CITY OF MUSKEGO, WISCONSIN**

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DETOUR PLAN SIGNS

NTS

PROJECT ID 11M126.00

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SHEET 6 OF 79

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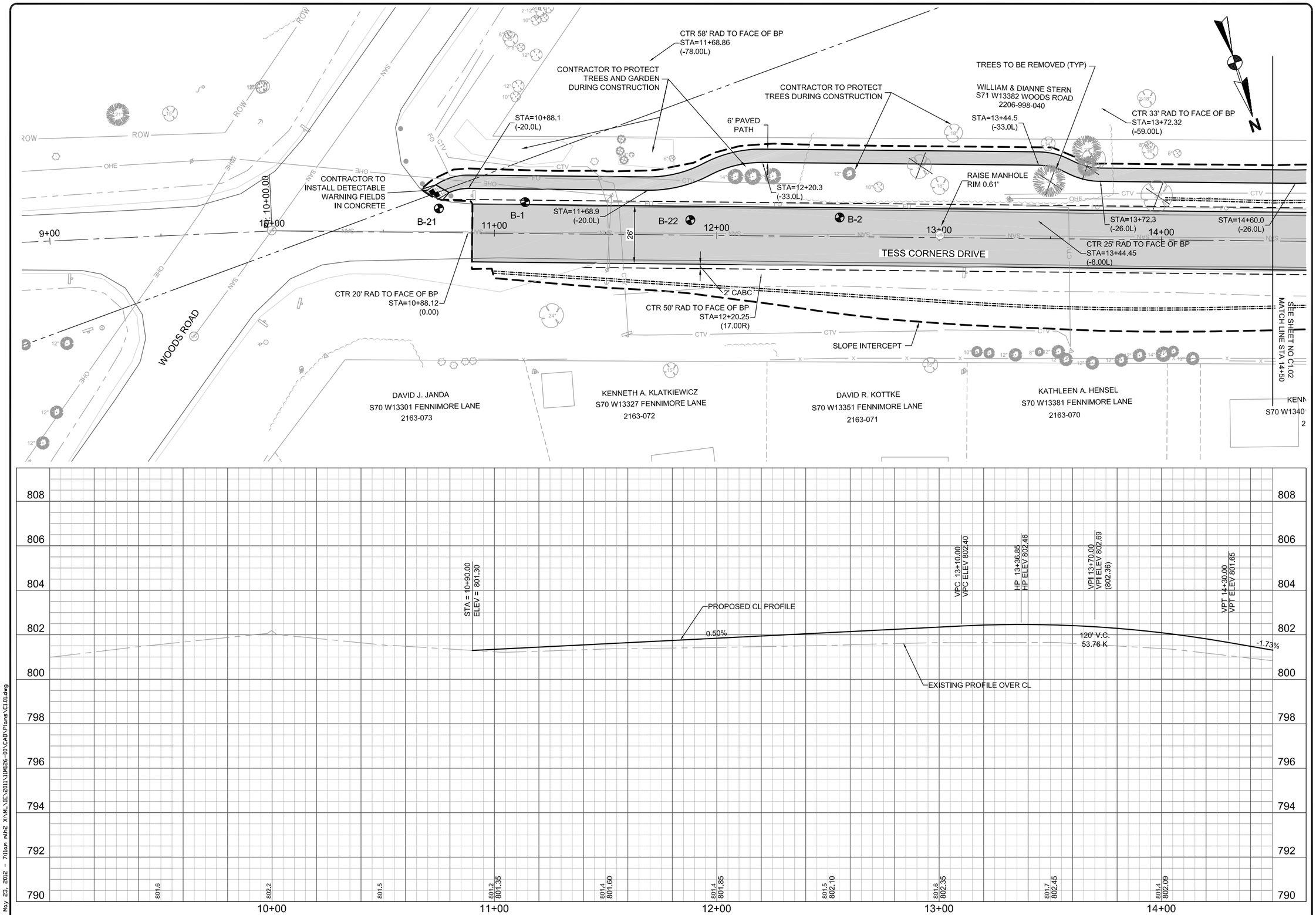

May 23, 2012 - 7:11am mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\C1.01.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY

CITY OF MUSKEGO, WISCONSIN

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.01

SHEET 7 OF 79

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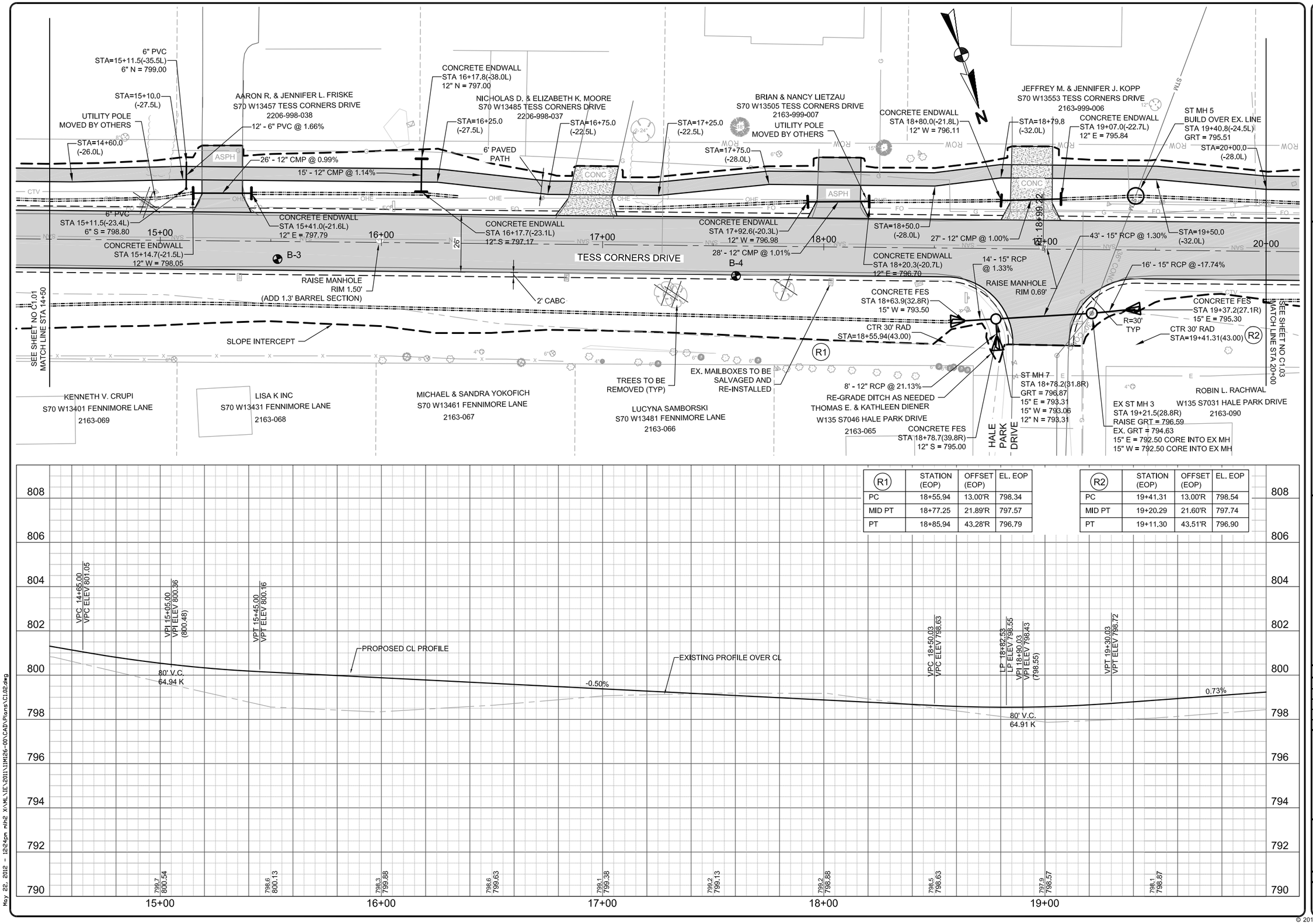

R1	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	18+55.94	13.00'R	798.34
MID PT	18+77.25	21.89'R	797.57
PT	18+85.94	43.28'R	796.79

R2	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	19+41.31	13.00'R	798.54
MID PT	19+20.29	21.60'R	797.74
PT	19+11.30	43.51'R	796.90

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 0 2

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.02

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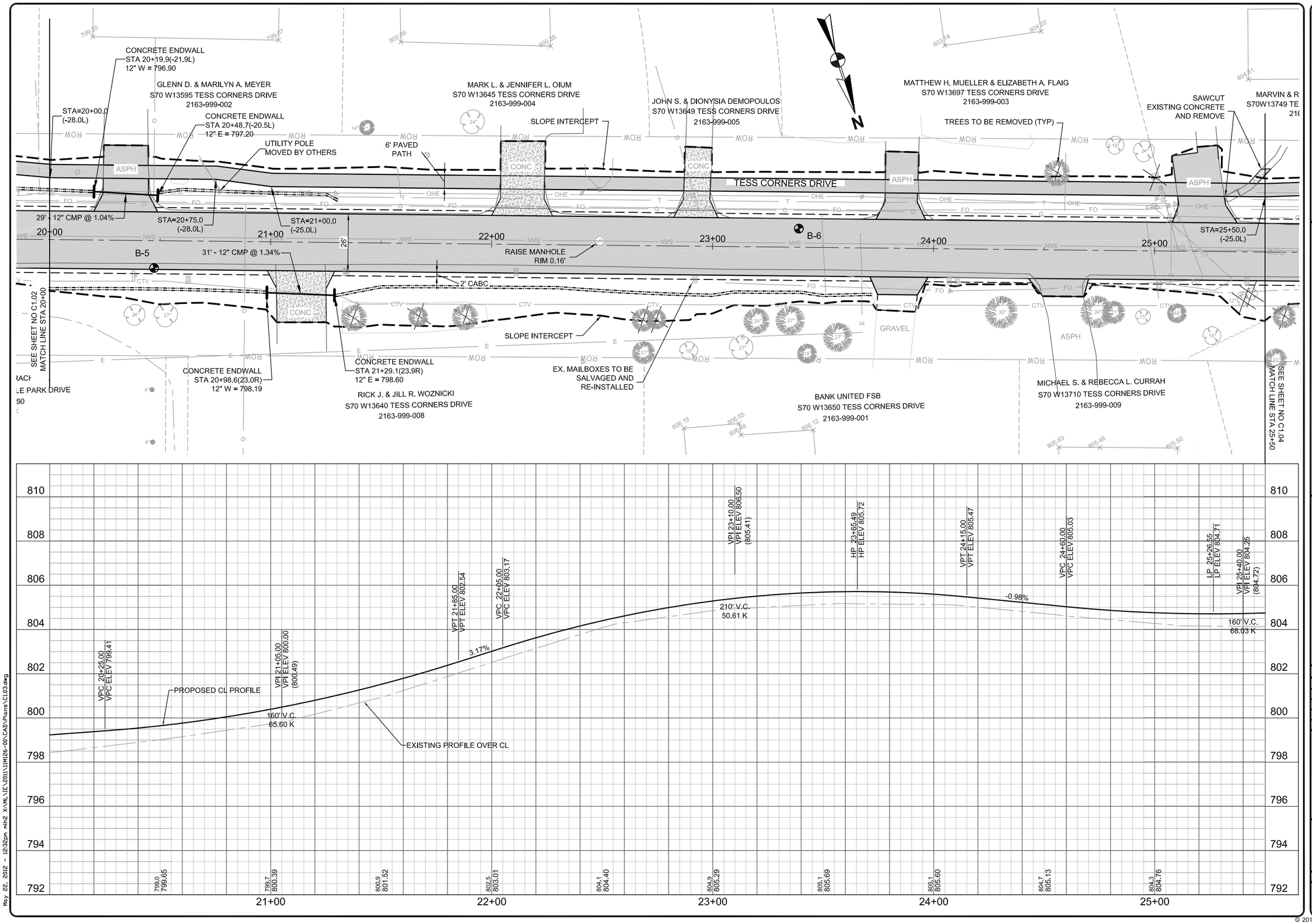

May 22, 2012 - 12:32pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\C1.03.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY

CITY OF MUSKEGO, WISCONSIN

REVISIONS

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.03

SHEET 9 OF 79

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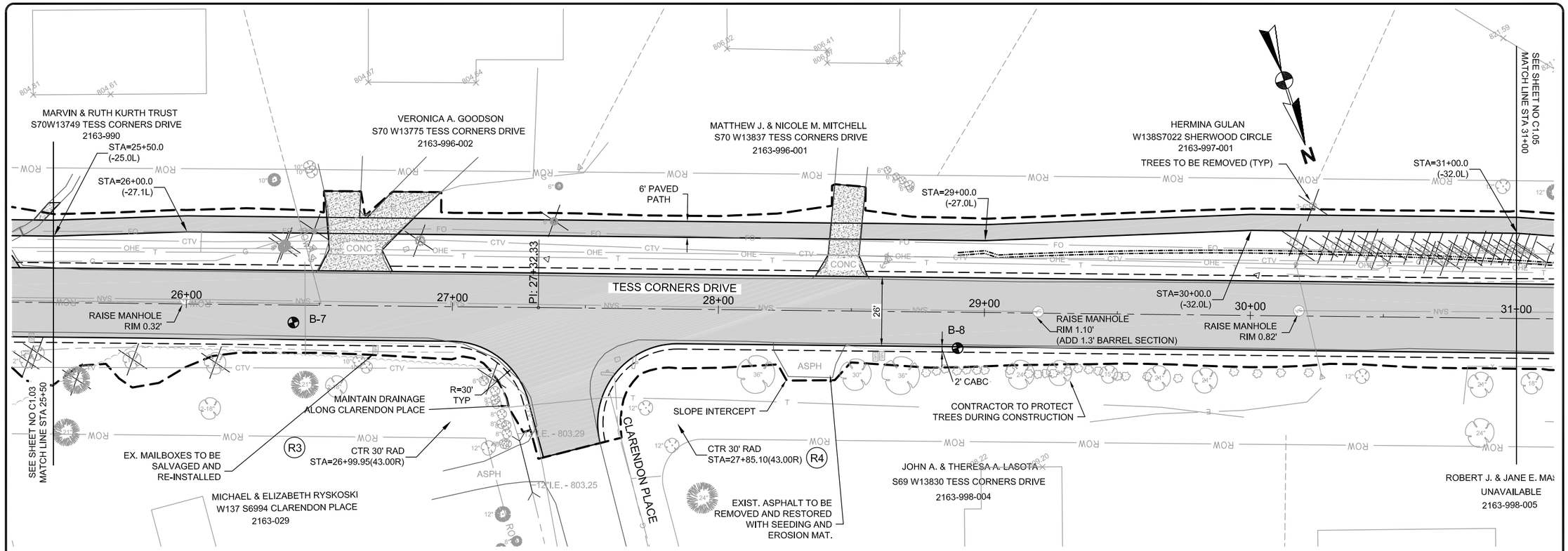
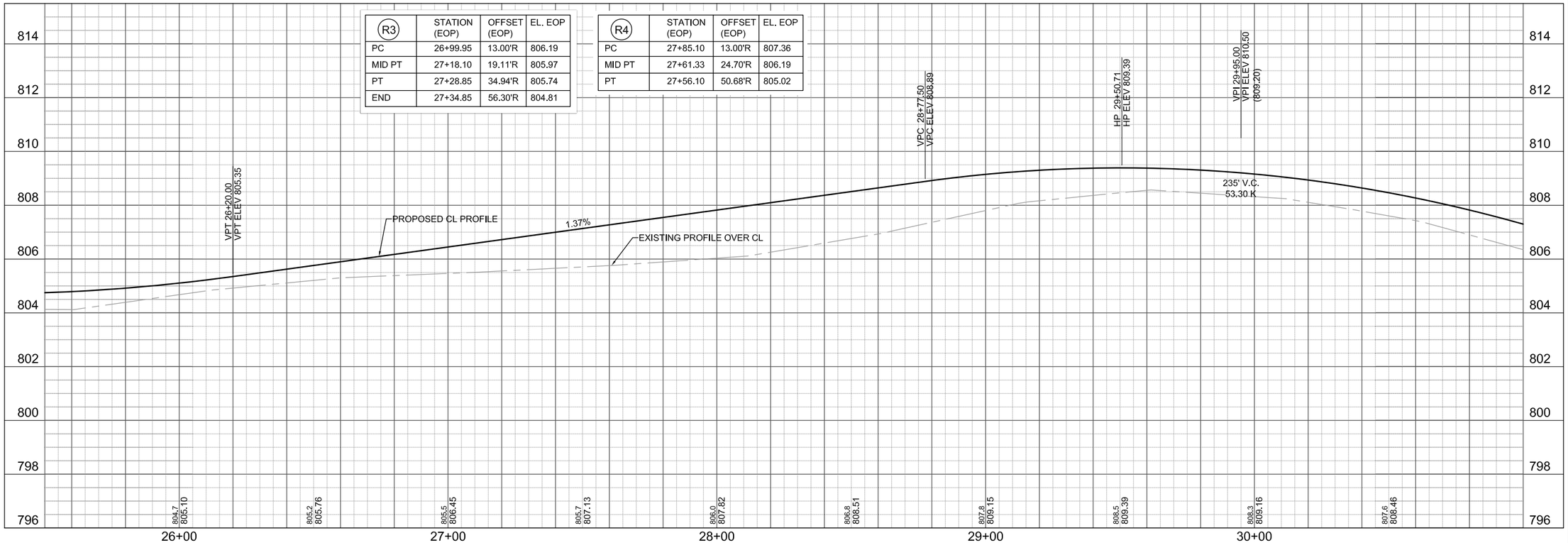


R3	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	26+99.95	13.00'R	806.19
MID PT	27+18.10	19.11'R	805.97
PT	27+28.85	34.94'R	805.74
END	27+34.85	56.30'R	804.81

R4	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	27+85.10	13.00'R	807.36
MID PT	27+61.33	24.70'R	806.19
PT	27+56.10	50.68'R	805.02



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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.04

SHEET 10 OF 79

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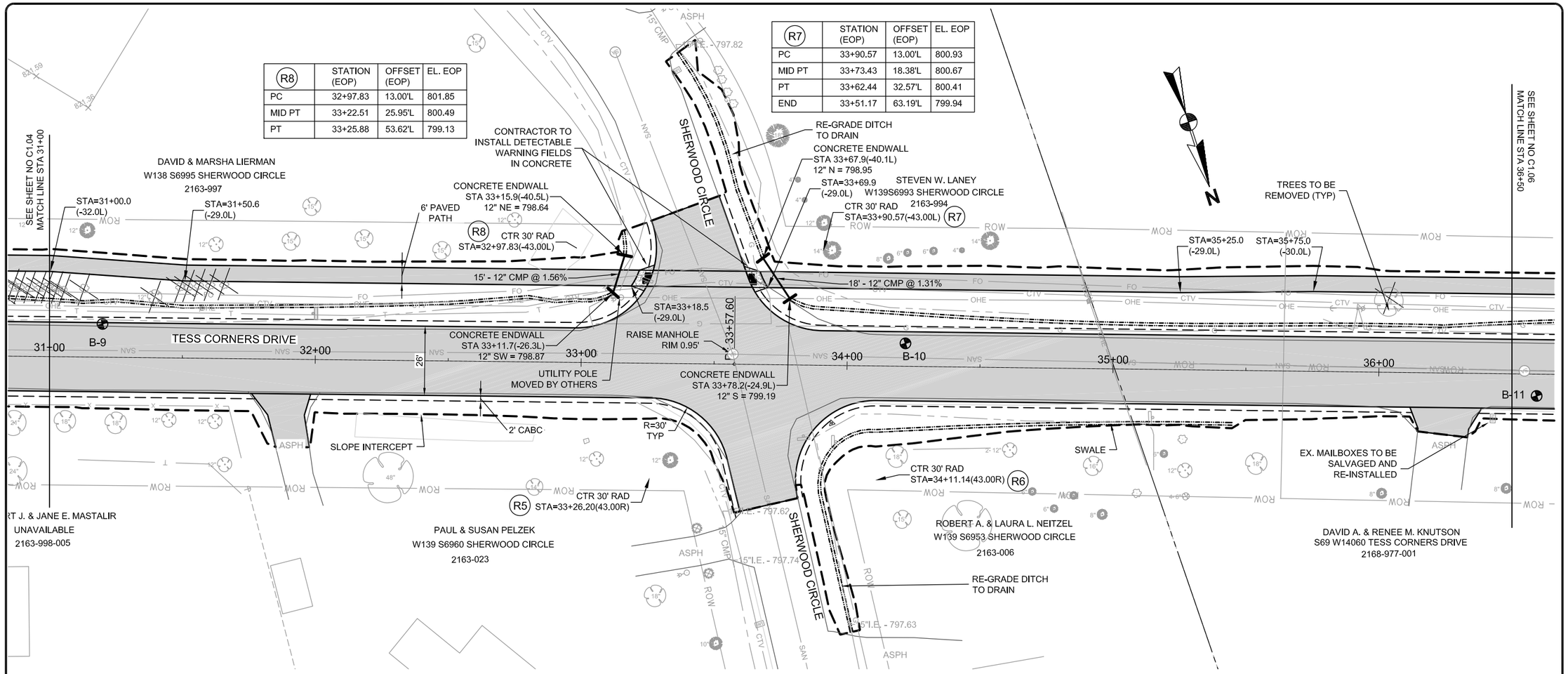
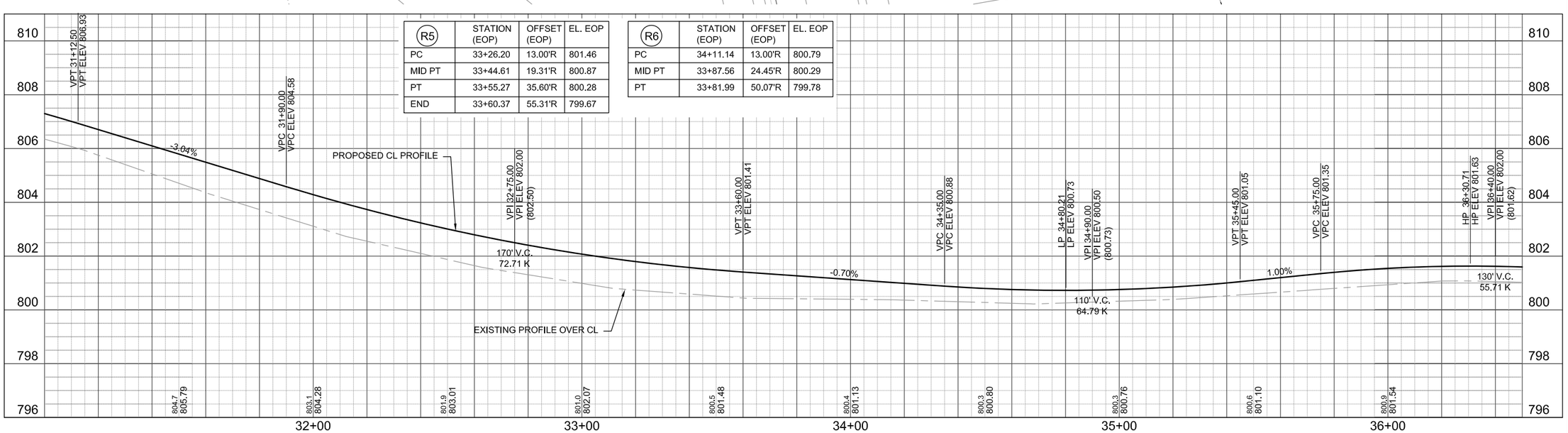
R8	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	32+97.83	13.00'L	801.85
MID PT	33+22.51	25.95'L	800.49
PT	33+25.88	53.62'L	799.13

R7	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	33+90.57	13.00'L	800.93
MID PT	33+73.43	18.38'L	800.67
PT	33+62.44	32.57'L	800.41
END	33+51.17	63.19'L	799.94



R5	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	33+26.20	13.00'R	801.46
MID PT	33+44.61	19.31'R	800.87
PT	33+55.27	35.60'R	800.28
END	33+60.37	55.31'R	799.67

R6	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	34+11.14	13.00'R	800.79
MID PT	33+87.56	24.45'R	800.29
PT	33+81.99	50.07'R	799.78



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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY

CITY OF MUSKEGO, WISCONSIN

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.05

SHEET 11 OF 79

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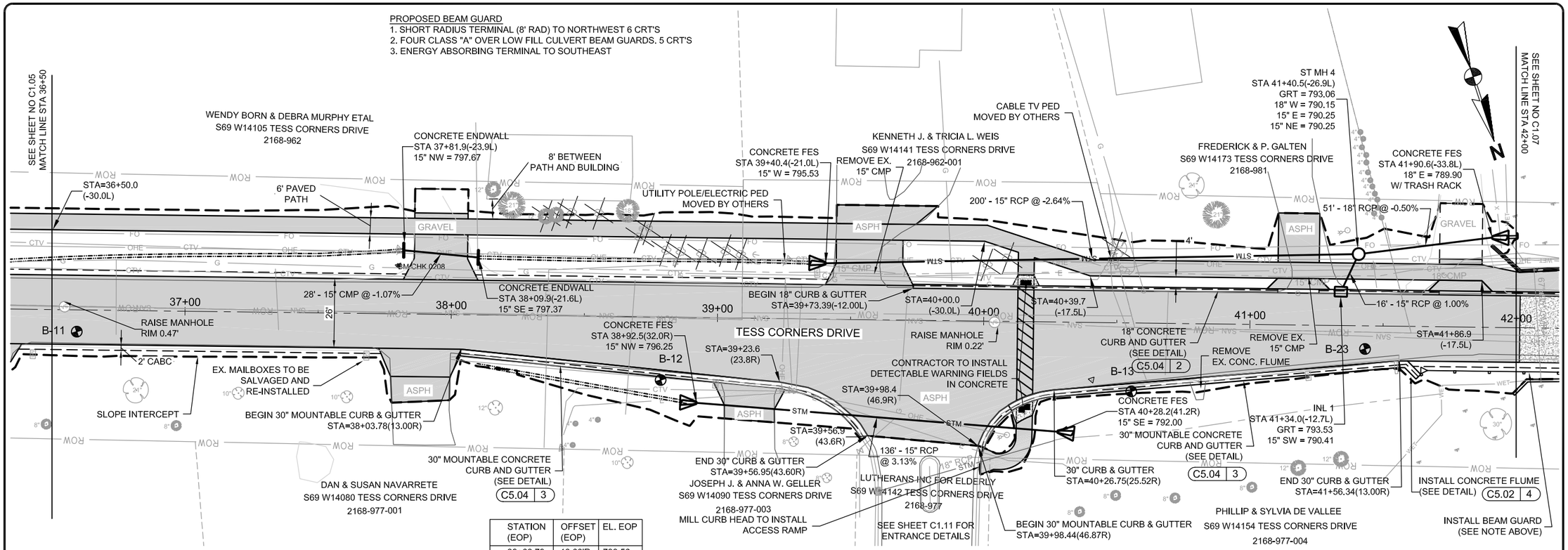
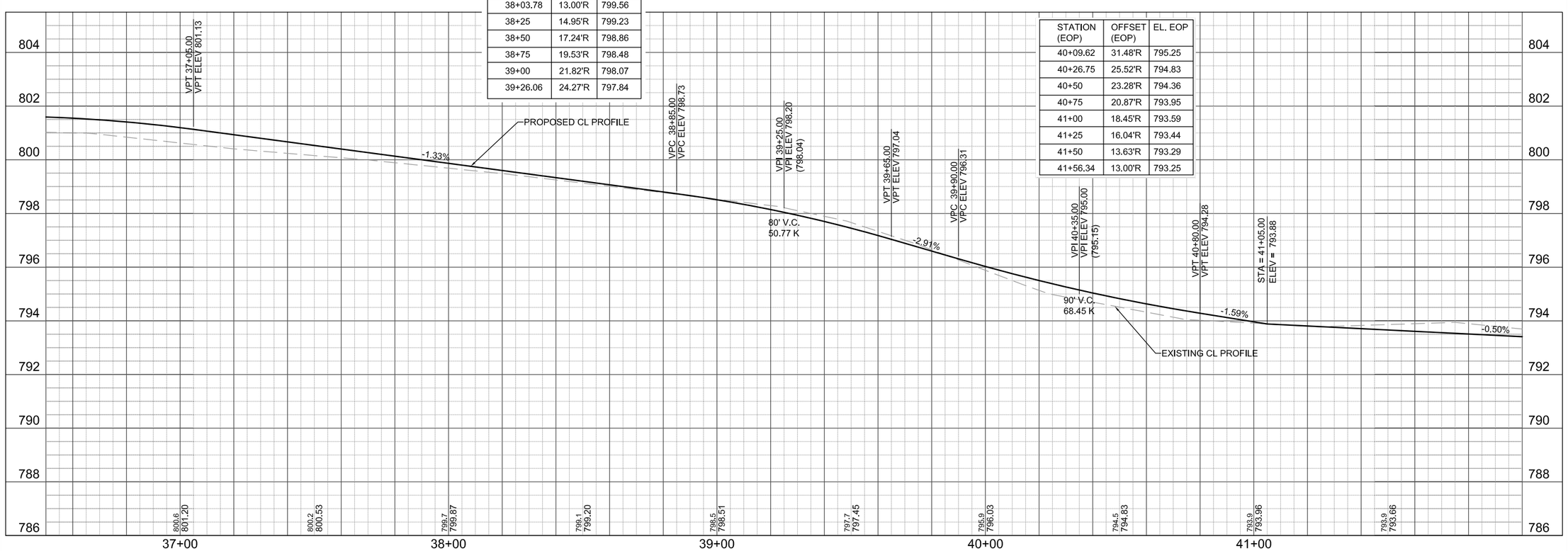
PROPOSED BEAM GUARD
1. SHORT RADIUS TERMINAL (8' RAD) TO NORTHWEST 6 CRT'S
2. FOUR CLASS "A" OVER LOW FILL CULVERT BEAM GUARDS. 5 CRT'S
3. ENERGY ABSORBING TERMINAL TO SOUTHEAST



STATION (EOP)	OFFSET (EOP)	EL. EOP
38+03.78	13.00'R	799.56
38+25	14.95'R	799.23
38+50	17.24'R	798.86
38+75	19.53'R	798.48
39+00	21.82'R	798.07
39+26.06	24.27'R	797.84

STATION (EOP)	OFFSET (EOP)	EL. EOP
40+09.62	31.48'R	795.25
40+26.75	25.52'R	794.83
40+50	23.28'R	794.36
40+75	20.87'R	793.95
41+00	18.45'R	793.59
41+25	16.04'R	793.44
41+50	13.63'R	793.29
41+56.34	13.00'R	793.25



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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 0 2

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.06

SHEET 12 OF 79

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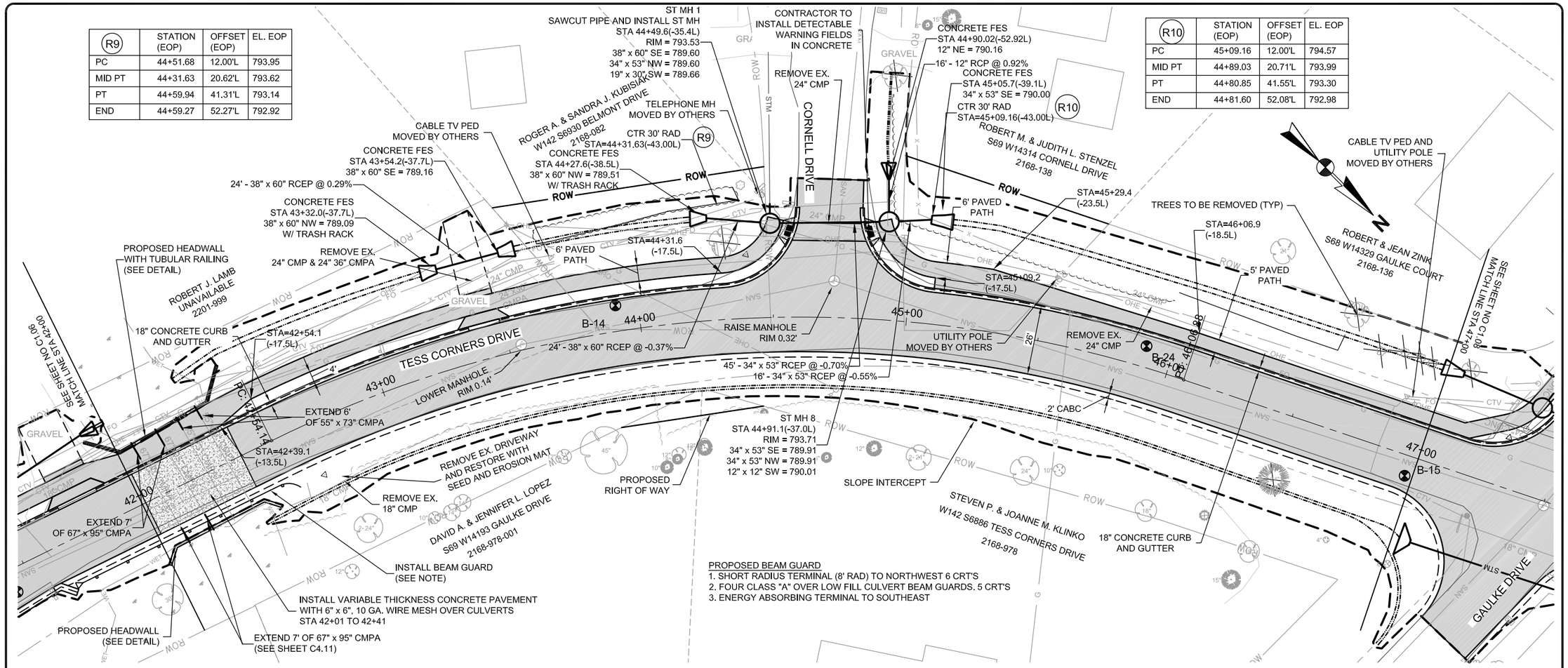
R9	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	44+51.68	12.00'L	793.95
MID PT	44+31.63	20.62'L	793.62
PT	44+59.94	41.31'L	793.14
END	44+59.27	52.27'L	792.92

R10	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	45+09.16	12.00'L	794.57
MID PT	44+89.03	20.71'L	793.99
PT	44+80.85	41.55'L	793.30
END	44+81.60	52.08'L	792.98



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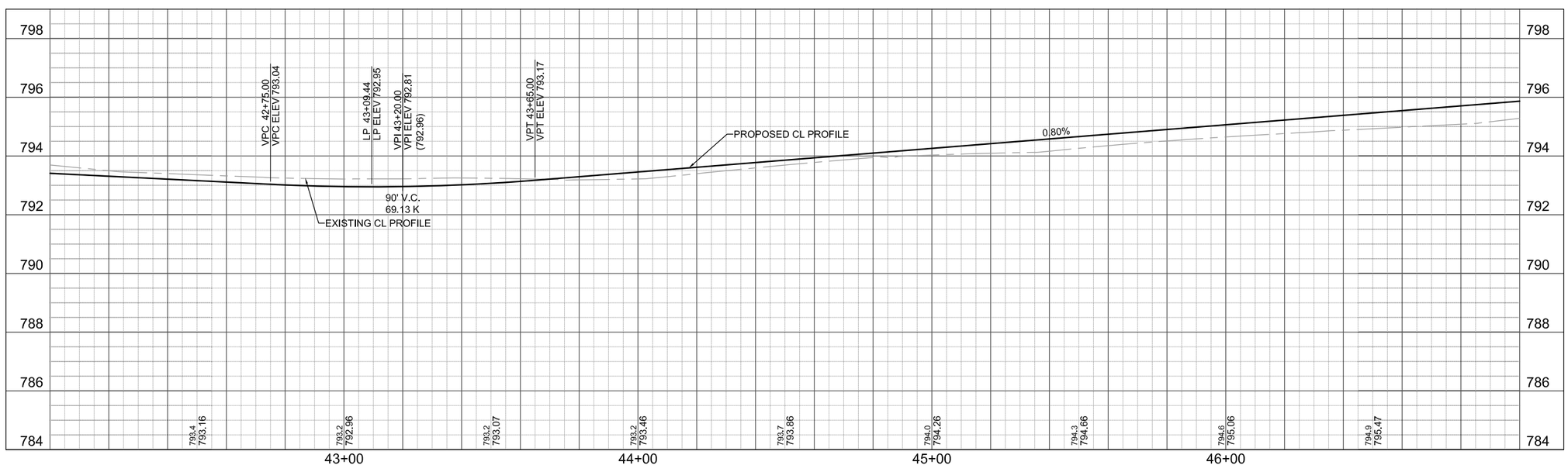
3. ENERGY ABSORBING TERMINAL TO SOUTHEAST



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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

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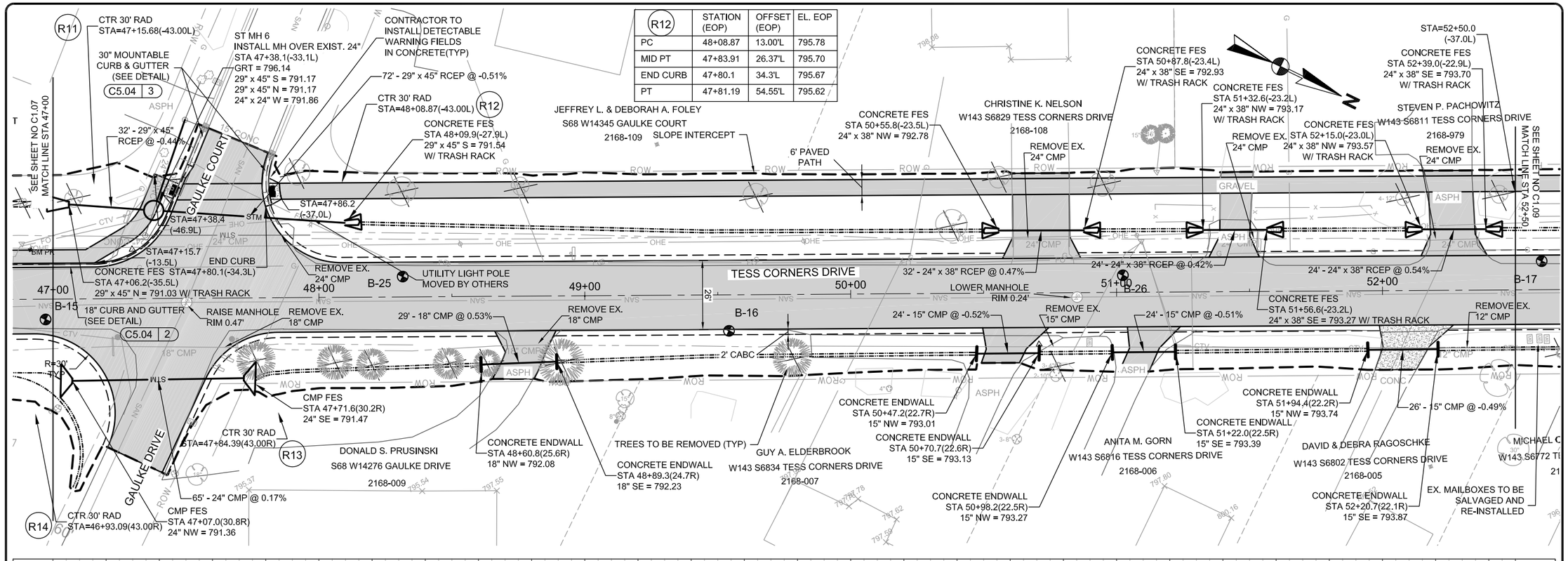
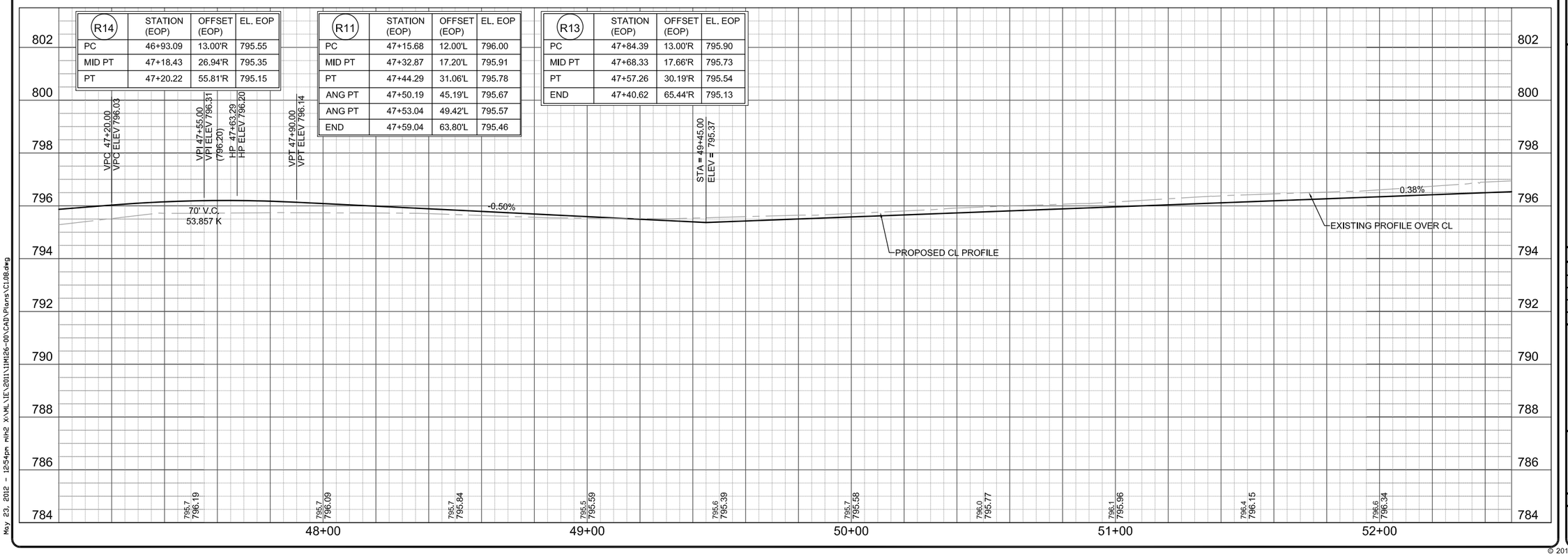


R12	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	48+08.87	13.00'L	795.78
MID PT	47+83.91	26.37'L	795.70
END CURB	47+80.1	34.3'L	795.67
PT	47+81.19	54.55'L	795.62

R14	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	46+93.09	13.00'R	795.55
MID PT	47+18.43	26.94'R	795.35
PT	47+20.22	55.81'R	795.15

R11	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	47+15.68	12.00'L	796.00
MID PT	47+32.87	17.20'L	795.91
PT	47+44.29	31.06'L	795.78
ANG PT	47+50.19	45.19'L	795.67
ANG PT	47+53.04	49.42'L	795.57
END	47+59.04	63.80'L	795.46

R13	STATION (EOP)	OFFSET (EOP)	EL. EOP
PC	47+84.39	13.00'R	795.90
MID PT	47+68.33	17.66'R	795.73
PT	47+57.26	30.19'R	795.54
END	47+40.62	65.44'R	795.13



May 23, 2012 - 12:54pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\C1.08.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

NO.	BY	DATE	DESCRIPTION
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REVISIONS

RECORD DRAWING OF COMPLETED CONSTRUCTION BY

RECORD DRAWINGS OF COMPLETED CONSTRUCTION CONFORMING TO CONTRACTOR AND/OR OWNERS RECORDS.
BY _____ DATE _____

Date of Preparation:

	BY	DATE
SURVEYED	JSH	10/31/2011
DRAWN	MLH	05/24/2012
DESIGNED	MPS	05/24/2012
CHECKED	MKS	05/24/2012

TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.08

SHEET 14 OF 79

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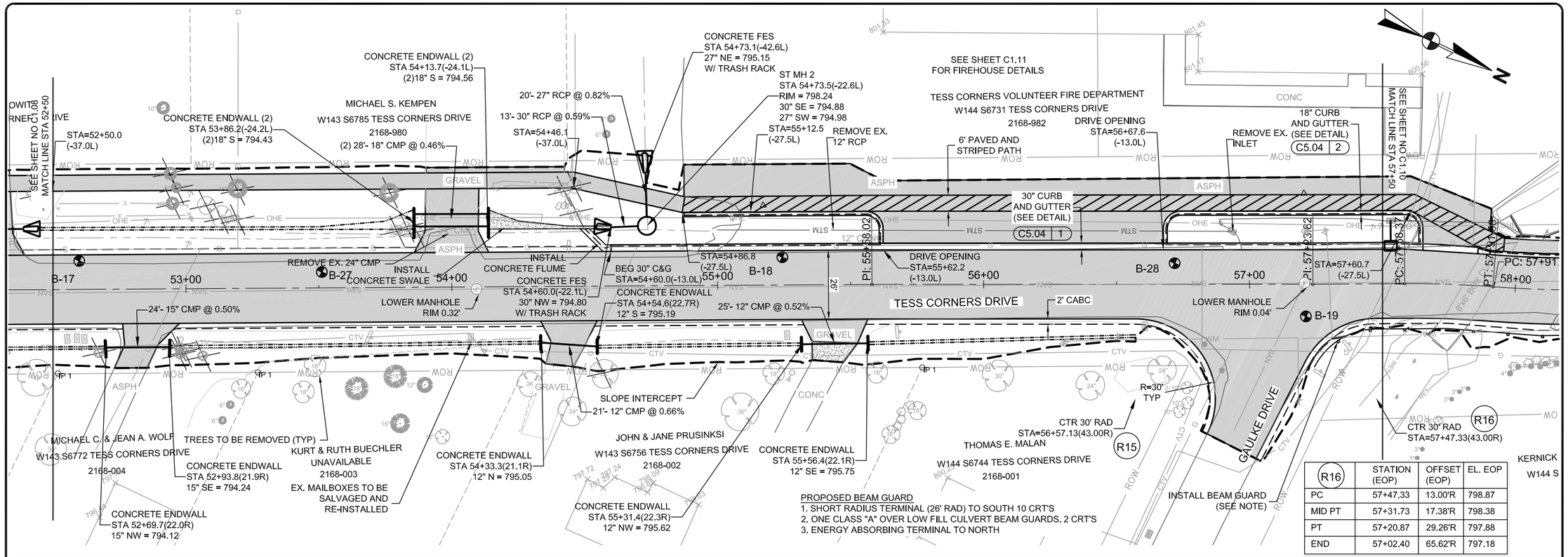

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

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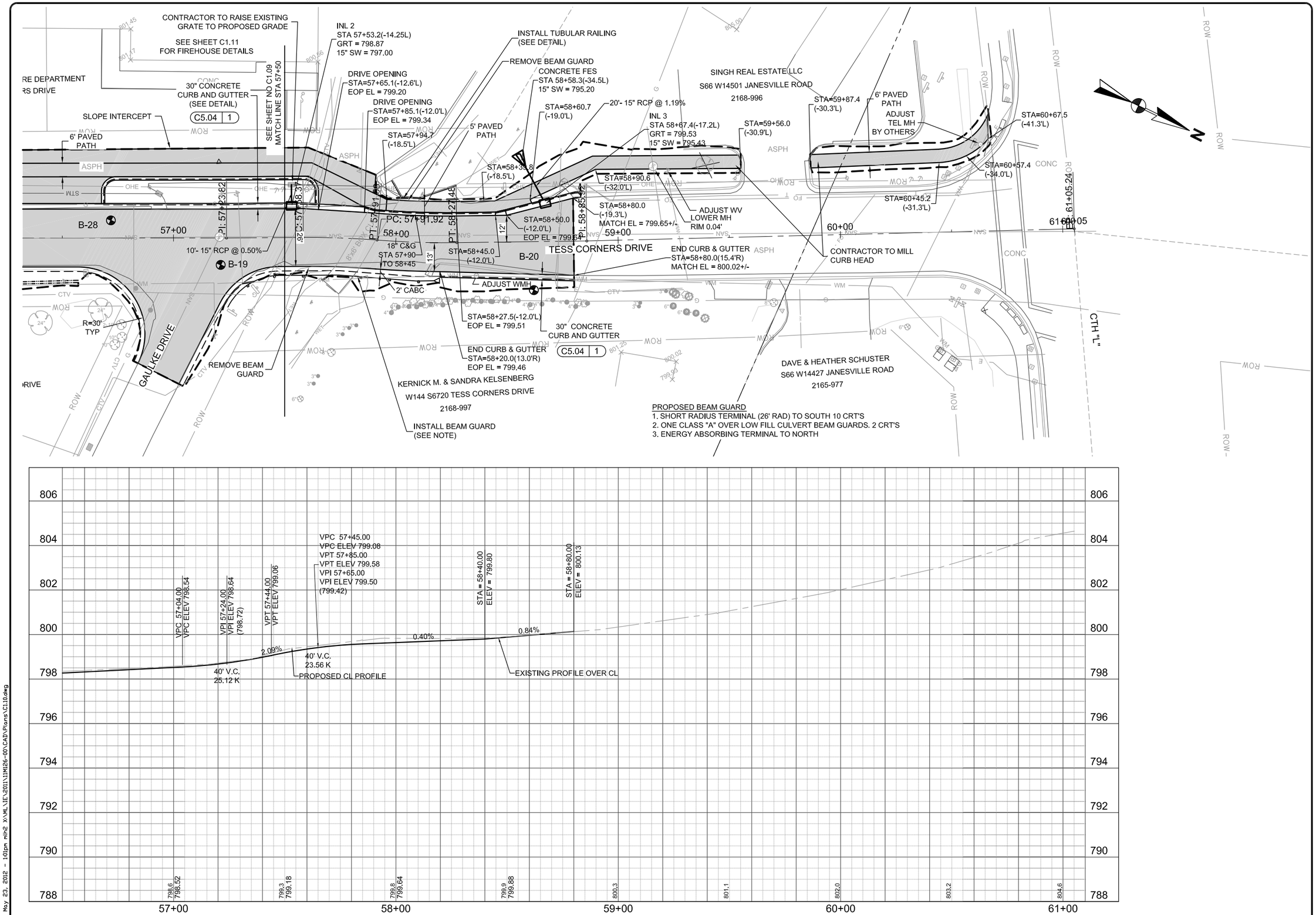

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY, WISCONSIN

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TESS CORNERS DRIVE STORM SEWER & ROADWAY

VERTICAL SCALE: 2 0

HORIZONTAL SCALE: 0 20 40

PROJECT ID 11M126.00

C1.10

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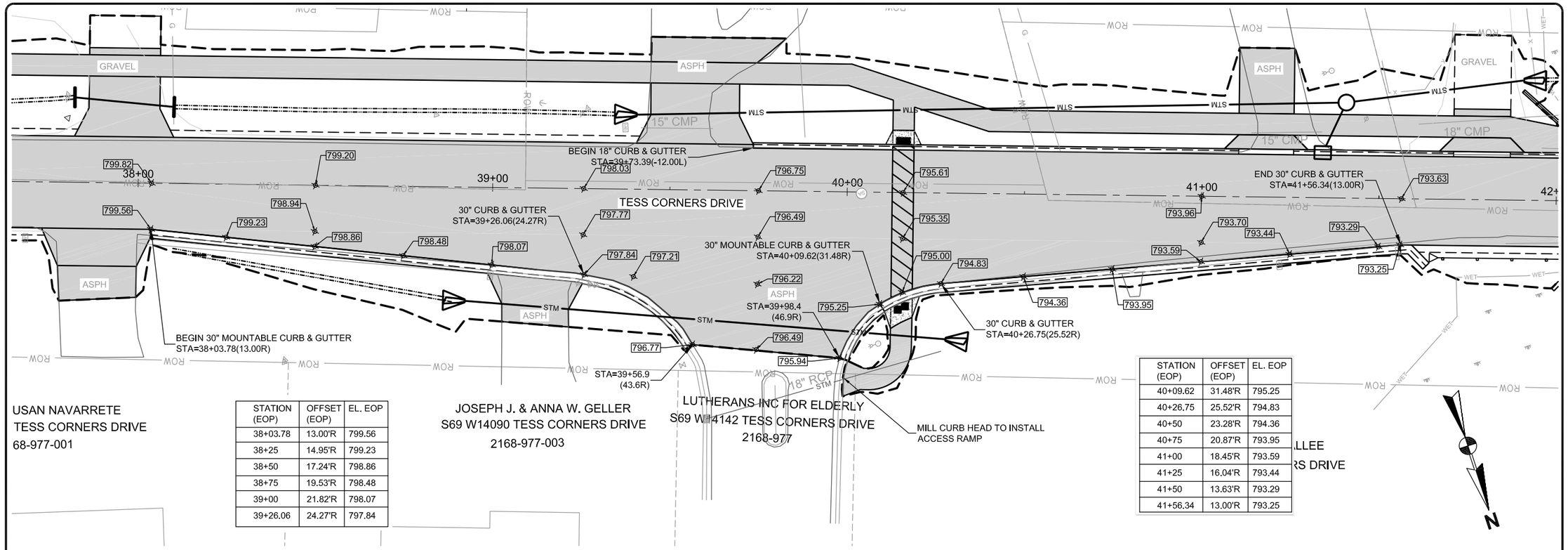
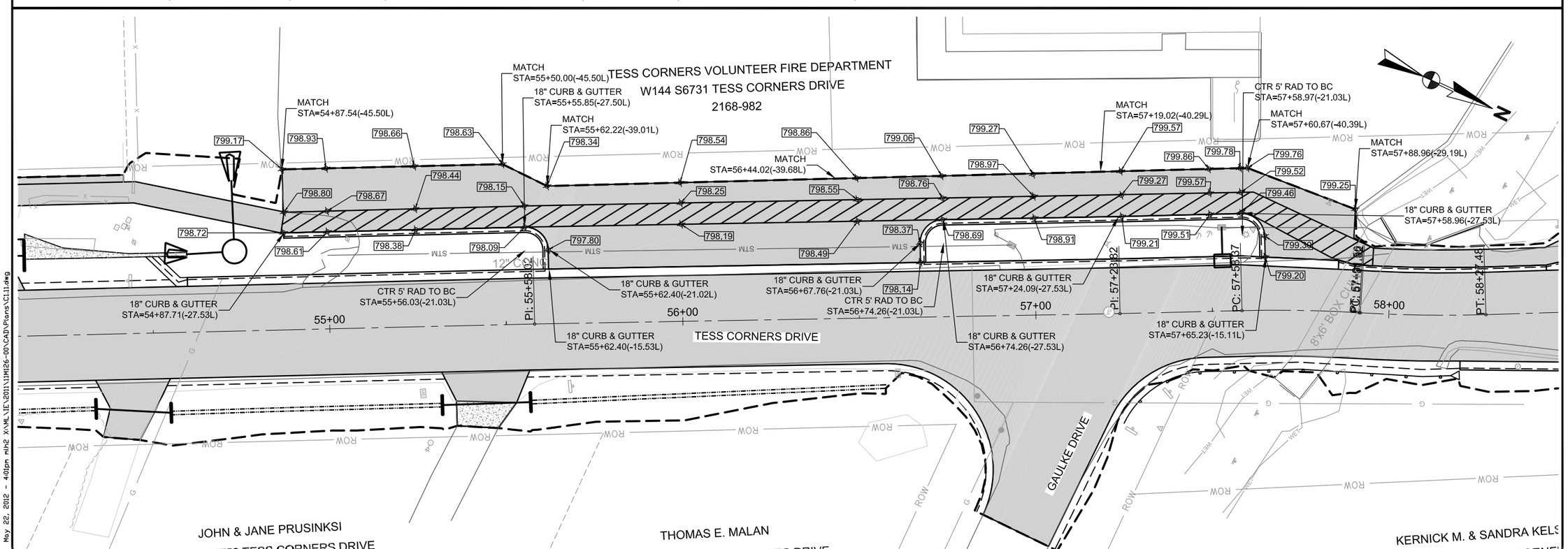


STATION (EOP)	OFFSET (EOP)	EL. EOP
38+03.78	13.00'R	799.56
38+25	14.95'R	799.23
38+50	17.24'R	798.86
38+75	19.53'R	798.48
39+00	21.82'R	798.07
39+26.06	24.27'R	797.84

STATION (EOP)	OFFSET (EOP)	EL. EOP
40+09.62	31.48'R	795.25
40+26.75	25.52'R	794.83
40+50	23.28'R	794.36
40+75	20.87'R	793.95
41+00	18.45'R	793.59
41+25	16.04'R	793.44
41+50	13.63'R	793.29
41+56.34	13.00'R	793.25



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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

CITY OF MUSKEGO, WISCONSIN

WAUKESHA COUNTY

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TESS CORNERS DRIVE PAVING PLAN

HORIZONTAL SCALE:
0 15 30

PROJECT ID 11M126.00

C1.11
SHEET 17 OF 79

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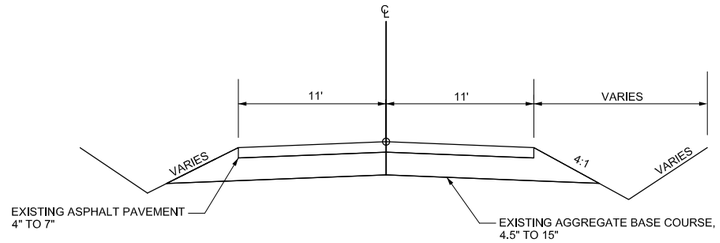
May 22, 2012 - 4:01pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\C11.dwg

DRIVEWAYS

ASPHALT DRIVEWAYS- 3" ASPHALTIC CONCRETE PAVEMENT, TYPE E-3 SURFACE COURSE. PAVEMENT WILL BE MADE UNDER THE ASPHALT SURFACE COURSE ITEM, OVER 6" CRUSHED AGGREGATE BASE COURSE.

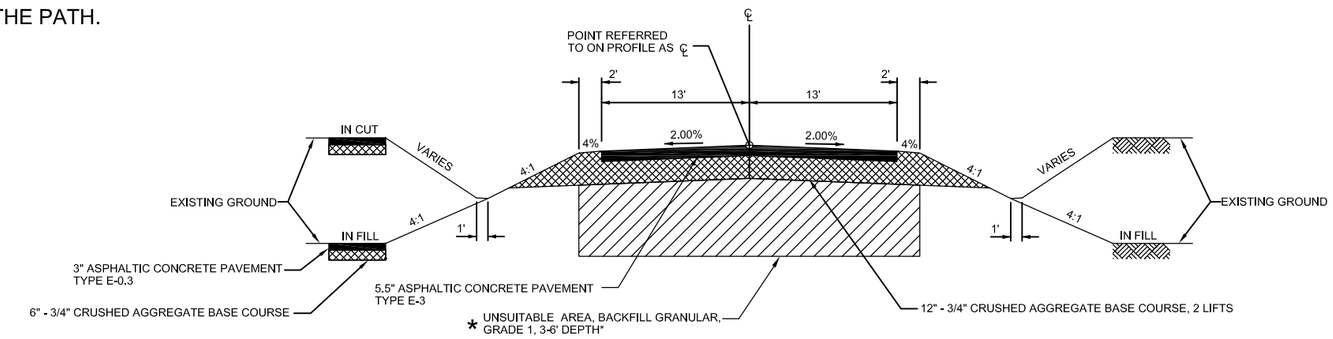
CONCRETE DRIVEWAYS- 6" PCC PAVEMENT OVER 6" CABC

GRANULAR DRIVEWAYS- 6" CABC ¾" GRADATION. GRANULAR DRIVEWAYS THROUGH THE PATH WILL BE REPLACED WITH ASPHALT FROM THE ROAD EDGE TO TWO FEET BEHIND THE PATH.



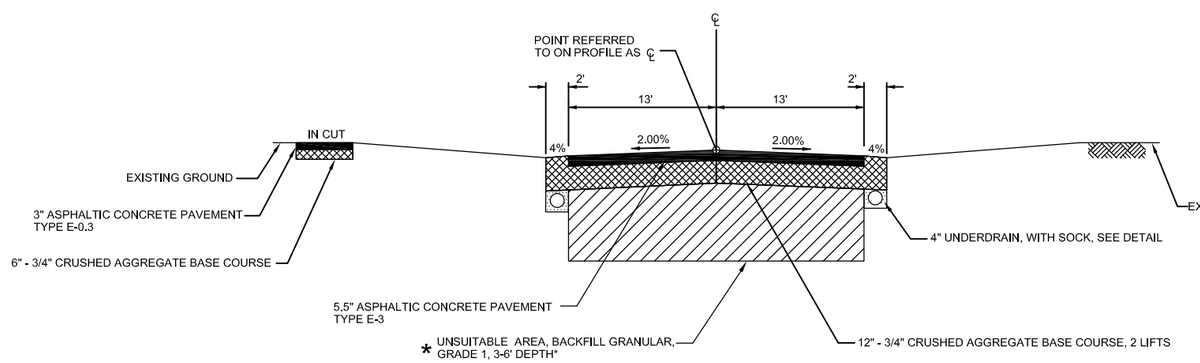
EXISTING SECTION

STA 10+90 to STA 58+80



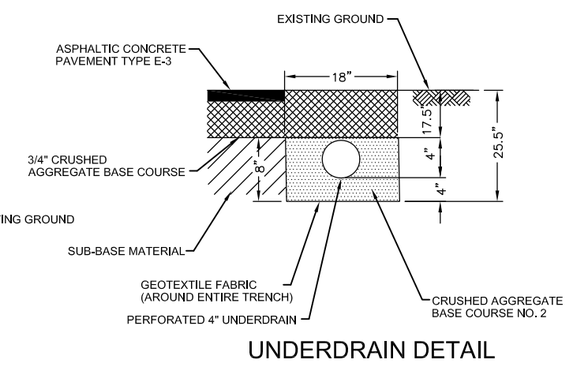
PROPOSED SECTION

STA 10+90 to STA 11+80 (3' CUT)*
STA 42+40 to STA 45+50 (6' CUT)*
STA 48+50 to STA 52+50 (4'-6' CUT)*
STA 54+00 to STA 57+00 (3'-4' CUT)*



PROPOSED SECTION

SEE CHART ON C2.01 FOR UNDERDRAIN LOCATIONS



UNDERDRAIN DETAIL

UNDERDRAIN LOCATIONS

LEFT OF CENTERLINE

STA 14+00 to STA 15+50
STA 16+50 to STA 18+75
STA 20+25 to STA 22+50
STA 31+25 to STA 32+75
STA 34+00 to STA 36+00
STA 55+00 to STA 57+80

RIGHT OF CENTERLINE

STA 20+00 to STA 22+50
STA 29+50 to STA 36+00

* UNSUITABLE MATERIAL - THIS MATERIAL WILL BE PAID FOR AS UNCLASSIFIED EXCAVATION.
ACTUAL AREA WILL BE DETERMINED IN THE FIELD BY PROOF ROLLING SUBGRADE
ANY ADDITIONAL MATERIAL REMOVED BEYOND THE LIMITS NOTED HERE WILL BE PAID FOR AS EXCAVATION BELOW SUBGRADE
EBS QUANTITY IS AN UNDISTRIBUTED AMOUNT THAT WILL BE DETERMINED IN THE FIELD BY PROOF ROLLING.

May 23, 2012 - 1:05pm mlh2 X:\ML\IE\2011\11M126-00\CAD\Plans\C2.01 - TYPICAL SECTION.dwg

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TESS CORNERS DRIVE RECONSTRUCTION

CITY OF MUSKEGO

WAUKESHA COUNTY **CITY OF MUSKEGO, WISCONSIN**

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TESS CORNERS DRIVE TYPICAL SECTIONS

NTS

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C2.01

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