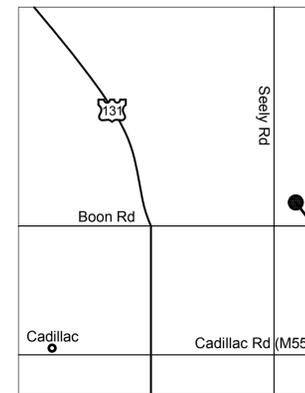


72 HOURS
(3 WORKING DAYS)
**BEFORE YOU DIG
CALL MISS DIG**
800-482-7171
(TOLL-FREE)

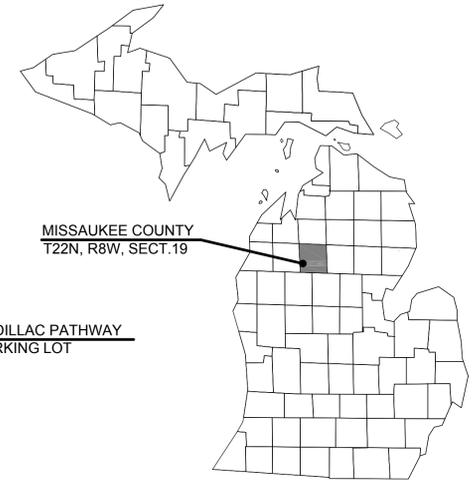


CADILLAC PATHWAY PARKING LOT

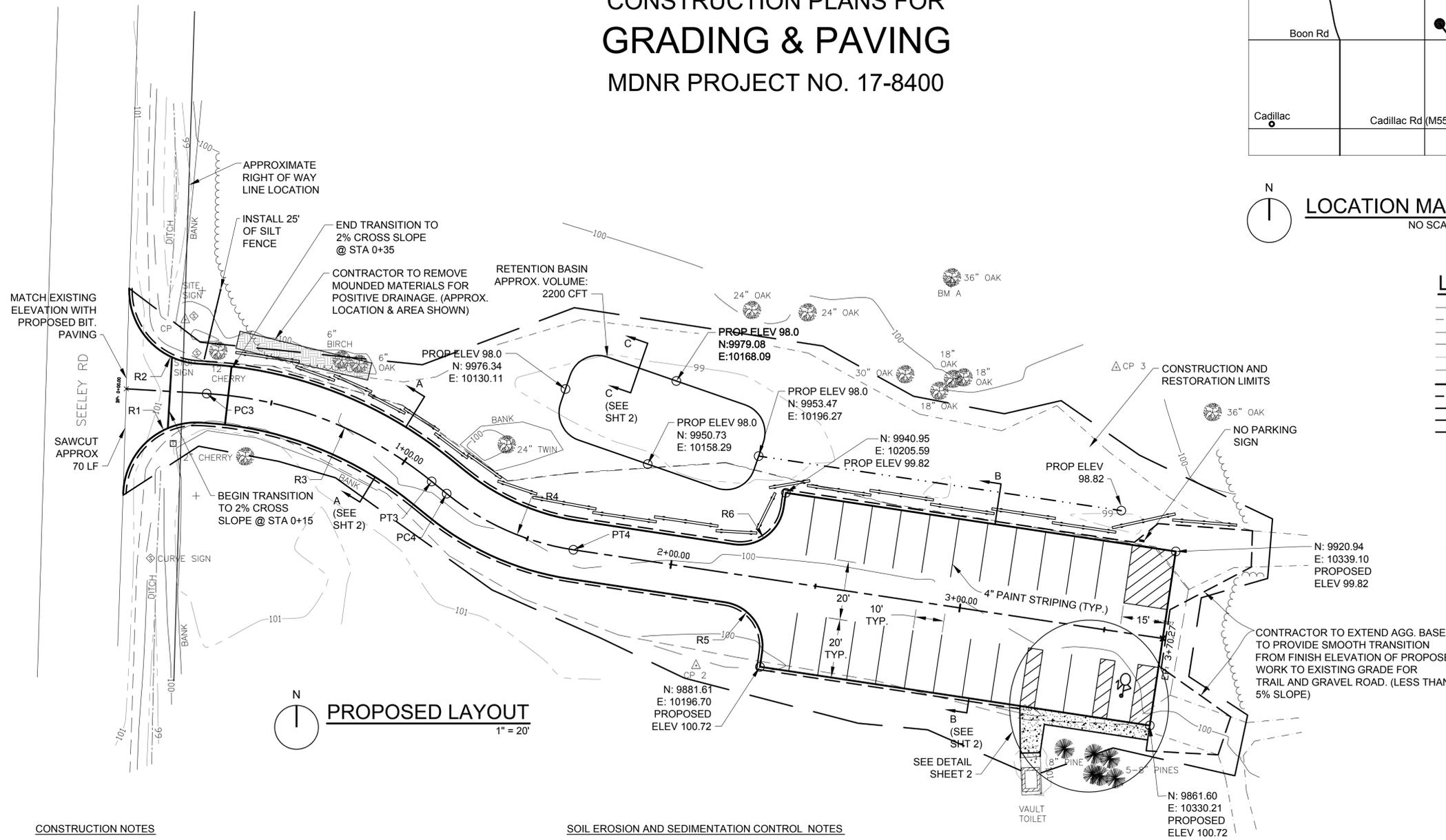
CONSTRUCTION PLANS FOR GRADING & PAVING MDNR PROJECT NO. 17-8400



LOCATION MAP
NO SCALE



VICINITY MAP
NO SCALE



LEGEND

- EXISTING EDGE OF ROAD
- EXISTING EDGE OF GRAVEL
- EXISTING EDGE OF SAND
- EXISTING CENTERLINE OF ROAD
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED EDGE OF ROAD
- PROPOSED EDGE OF GRAVEL
- PROPOSED CENTERLINE OF ROAD / PARKING LOT
- CENTERLINE OF PROPOSED DITCH
- PROPOSED SILT FENCE
- PROPOSED 10' RAIL
- PROPOSED 20' RAIL
- ⊠ SIGN AS NOTED
- △ CONTROL POINT
- ⊙ BENCH MARK
- ⊗ 925.00 SPOT ELEVATION AND LOCATION
- ⊙ TREE AND SIZE AS NOTED

CONTROL POINTS

CP 1
N: 10000.00
E: 10000.00
ELEV: 100.00

CP 2
N: 9882.02
E: 10174.91
ELEV: 100.00

CP 3
N: 9983.71
E: 10318.76
ELEV: 99.75

SURVEY INFORMATION

JOB NUMBER	1022
SURVEY DATE	10/12/05
FIELD WORK BY	JB, BW
DRAWN BY	BJ

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL CALL MISS DIG 72 HOURS PRIOR TO CONSTRUCTION OR DEMOLITION.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST "AMERICANS WITH DISABILITIES ACT - ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."
3. THE RUNNING SLOPES ON SIDEWALK AND WALKWAYS SHALL NOT EXCEED 1:20 (5%) UNDER ANY CIRCUMSTANCE. SIDEWALKS AND WALKWAYS SHALL HAVE CROSS SLOPES WITHIN THE RANGE OF 1% TO 2%, AND SHALL NOT EXCEED 2% UNDER ANY CIRCUMSTANCE.
4. LAYOUT SHALL BE COMPLETED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION
5. EXISTING SURFACE SHALL BE SMOOTHED AND TRIMMED TO PROPOSED DIMENSIONS AND UNIFORM GRADE. REMAINING LOW AREAS AND HOLES SHALL BE FILLED WITH MDOT 22A STONE. BASE SHALL BE DRY AND COMPACTED TO 95% OF MAXIMUM UNIT DENSITY, PRIOR TO PLACING BITUMINOUS SURFACE.
6. CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS PRIOR TO PLACING BITUMINOUS SURFACE.
7. AREA ENCLOSED BY CONSTRUCTION & RESTORATION LIMITS LINE AND EDGE OF GRAVEL LINE SHALL BE RESTORED WITH A MIN. FOUR INCHES OF TOPSOIL, FERTILIZER, SEED AND MULCH.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL SESC MEASURES ARE TO BE INSTALLED PRIOR TO STARTING WORK, AND MAINTAINED THROUGHOUT THE PROJECT.
2. SITE IS APPROXIMATELY 300 FEET SOUTH OF THE CLAM RIVER.
3. SURFACE SOIL IS TOPSOIL AND SAND (GROUP A).
4. DNR INSPECTOR WILL CONDUCTS SESC INSPECTION EVERY 2 WEEKS MINIMUM AND AFTER EVERY SIGNIFICANT RAIN EVENT.
5. THE PROPERTY LINES ARE APPROXIMATELY 700 FEET NORTHERLY AND 600 FEET SOUTHERLY OF THE ENTRANCE DRIVE, RESPECTIVELY.
6. PROVIDE REGULAR SWEEPING OF ALL PAVED AREAS TO MINIMIZE EFFECT OF TRACKING ON SEELEY ROAD.
7. CONSTRUCT RETENTION BASIN AND TEMPORARY DRAINAGE SWALE TO PROVIDE FOR TEMPORARY RETENTION OF SITE RUNOFF. CONTRACTOR TO CLEAN RETENTION BASIN, PRIOR TO FINAL GRADING FOR FINAL TOPSOIL, SEED, FERTILIZER AND MULCHING.
8. EXCESS CUT MATERIAL MAY BE SPREAD AROUND THE AREAS TO BE RESTORED AT THE DIRECTION OF THE ENGINEER. POSITIVE DRAINAGE TO THE PROPOSED DRAINAGE DITCH AND RETENTION BASIN SHALL BE MAINTAINED.

	PC		PI		PT		
R	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	RADIUS
R3	9974.77	10007.29	9972.18	10050.61	9944.83	10084.30	135'
R4	9940.65	10089.45	9925.17	10108.53	9921.52	10132.83	90'

CENTER		
R	NORTHING	EASTING
R1	9939.93	10003.66
R2	10009.93	1005.73
R5	9888.78	10182.61
R6	9938.23	10190.02

MATERIAL ESTIMATES*:

13A HMA SURFACE	285 TON
CONC. SIDEWALK	310 SFT
22A AGG. BASE	1500 SYD
22A GRAVEL SHOULDER	100 SYD
PAINT STRIPING	215 LFT
10' RAIL	10 EA.
20' RAIL	11 EA.
SAWCUT	70 LF
SILT FENCE	25 FT
TOPSOIL, SEED, FERTILIZER, & MULCH	2300 SYD
HANDICAP SIGN	1 EA.
NO PARKING SIGN	1 EA.
H.C. PAINTED SYMBOL	1 EA.

*MATERIAL ESTIMATES ONLY. DOES NOT INCLUDE CUT/FILL, WASTED MATERIAL, CLEARING OR MACHINE GRADING.

SHEET INDEX

SHT. NO.	TITLE
1	PROP. GRADING & PAVING
2	DETAILS & SECTIONS

FOREST MINERAL AND FIRE MANAGEMENT

APPROVED: _____ DIVISION CHIEF DATE _____

RECOMMENDED FOR APPROVAL: _____ RECREATION AND TRAILS SECTION CHIEF DATE _____

**OFFICE OF LAND AND FACILITIES
DESIGN & CONSTRUCTION SERVICES**

APPROVED: _____ SECTION MANAGER DATE _____

APPROVED: _____ ENGINEERING SUPERVISOR DATE _____

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF LAND AND FACILITIES
DESIGN & CONSTRUCTION SECTION
P.O. BOX 30033 LANSING, MI 48909-7933
517.241.1919 VOICE 517.241.4278 FAX

Michigan DNR

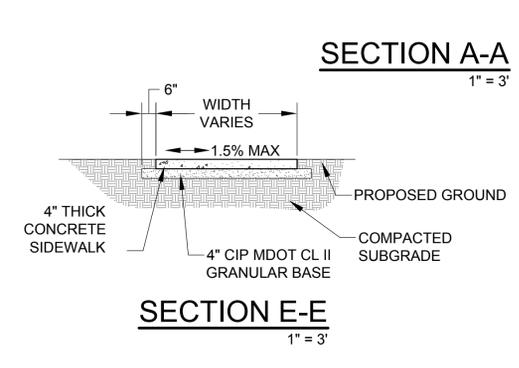
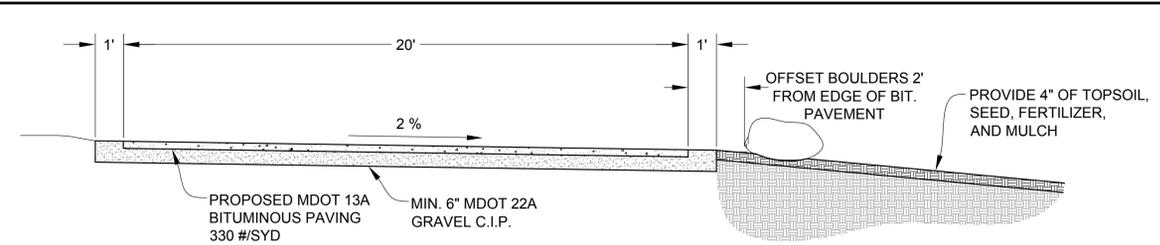
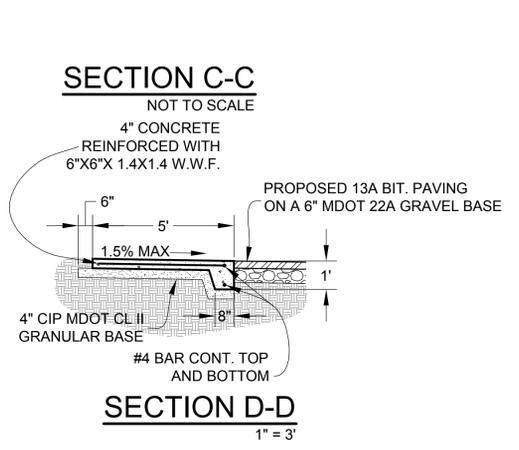
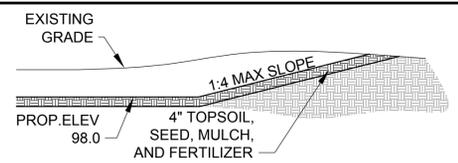
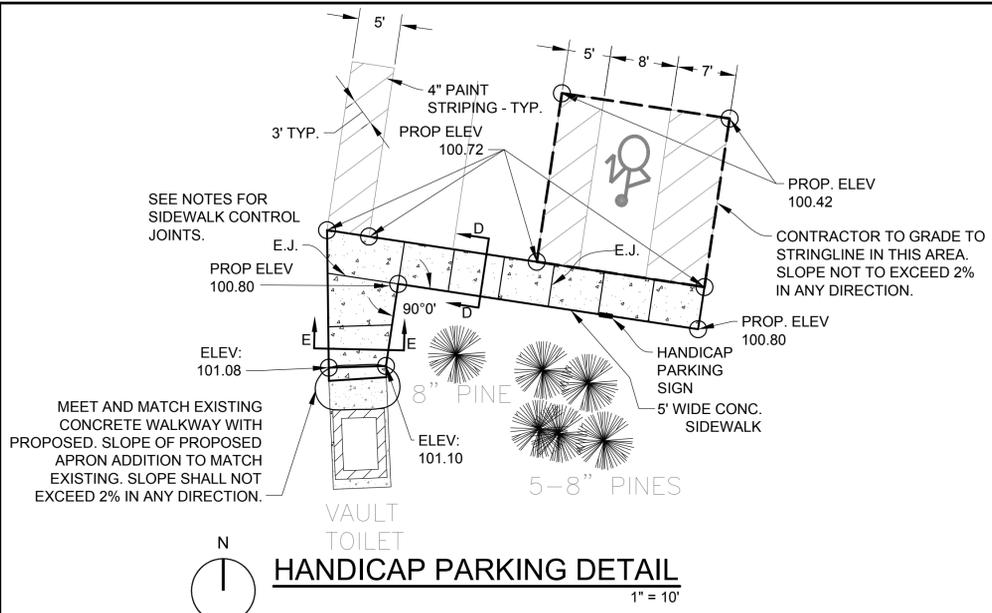
04/17/09	BID & CONSTRUCTION
02/25/09	95% OWNER REVIEW
03/08/08	90% OWNER REVIEW
11/08/05	50% OWNER REVIEW

GRADING & PAVING
**CADILLAC PATHWAY
PARKING LOT**
MISSAUKEE COUNTY

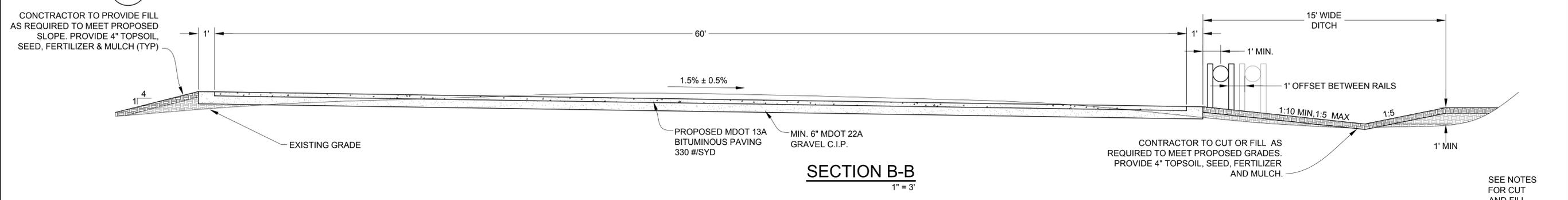
**PROPOSED GRADING
& PAVING**

PROJECT NO.	17-8400
INDEX	7550
PCA	44901
DRAWN BY	MT
DESIGNED BY	MT
PROJ. MGR.	BW

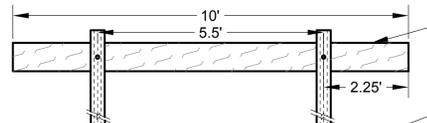
C1
1 OF 2



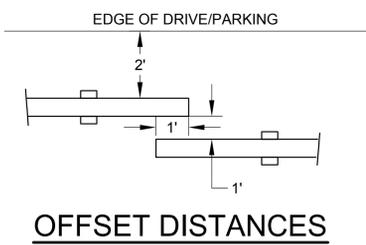
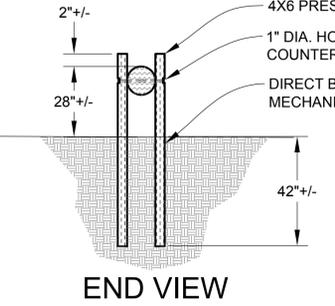
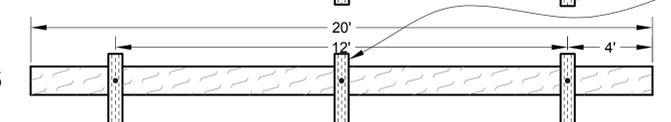
- NOTES:
1. FOR FILL SECTIONS, CONTRACTOR TO PROVIDE FILL MATERIAL AS REQUIRED TO ESTABLISH PROPOSED DITCH SECTION.
 2. FOR CUT SECTIONS, CONTRACTOR TO CUT TO PROPOSE DITCH BACK-SLOPE.
 3. ALL CONTROL JOINTS TO BE AS SHOWN IN THE PLANS (6" TYP.). ALL JOINTS ARE CRACK CONTROL JOINTS UNLESS IDENTIFIED AS EXPANSION JOINTS (E.J.).



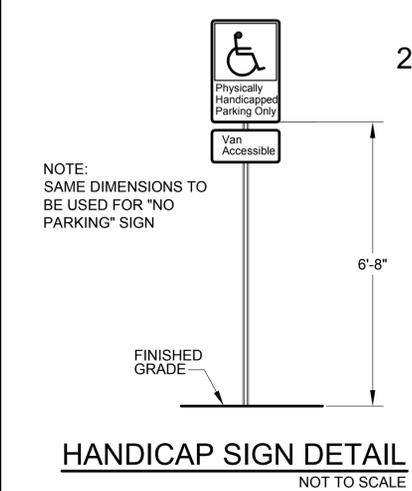
10' LONG BARRIER SECTIONS



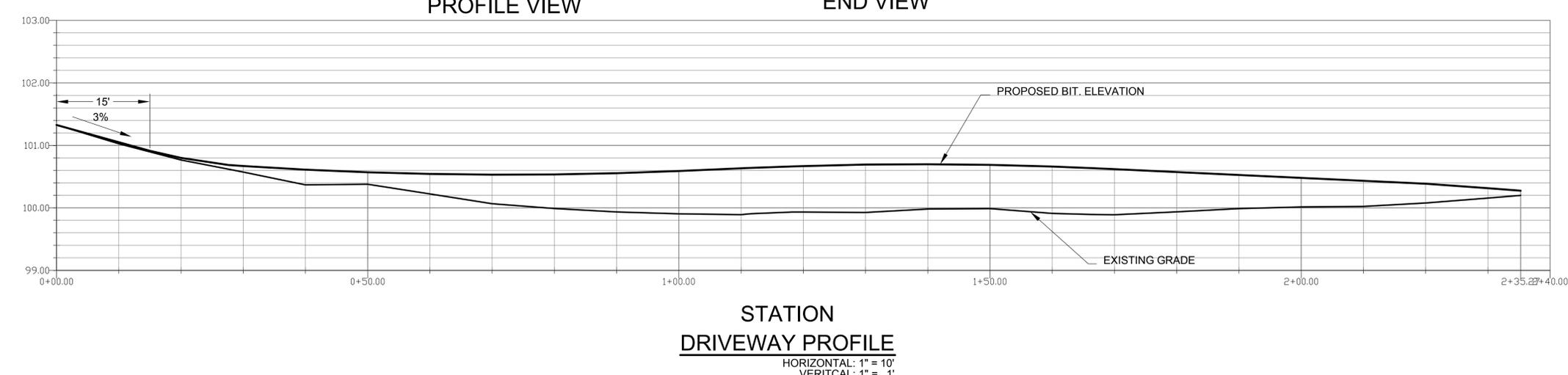
20'+ LONG BARRIER SECTIONS



- NOTES:
1. BARRIERS TO BE SET BACK, 2' (MIN.) FROM THE EDGE OF PARKING/DRIVE AREAS.
 2. OVERLAP SEGMENT ENDS BY 12", WITH A 12" SEPARATION.
 3. BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANIZED.



DRIVEWAY/PARKING TIMBER BARRIERS
NOT TO SCALE



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(3 WORKING DAYS)
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(TOLL-FREE)

04/17/09	BID & CONSTRUCTION	95% OWNER REVIEW	90% OWNER REVIEW	11/08/05	90% OWNER REVIEW
02/25/09					
03/08/08					

GRADING & PAVING
**CADILLAC PATHWAY
PARKING LOT**
MISSAUKEE COUNTY

DETAILS & SECTIONS

PROJECT NO.	17-8400
INDEX	75500
PCA	44901
DRAWN BY	MT
DESIGNED BY	MT
PROJ. MGR.	BW