

WKE

PROJECT ID: 2704-00-78 & 3763-00-75

COUNTY: KENOSHA/RACINE

AUGUST 2018
ORDER OF SHEETS

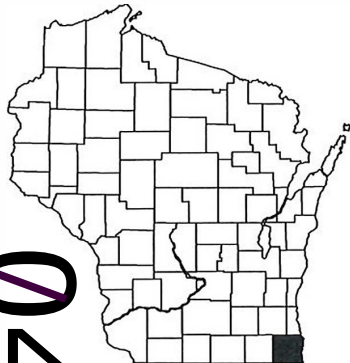
Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plot
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 76

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2704-00-78		
3763-00-75		

WISCONN VALLEY WAY CTH KR, V MT PLESANT
BOX CULVERT KILBOURN DITCH BOX CULVERT
LOCAL STREET CTH KR
RACINE COUNTY RACINE COUNTY



STATE PROJECT NUMBER
2704-00-78

STATE PROJECT NUMBER
3763-00-75

DESIGN DESIGNATION

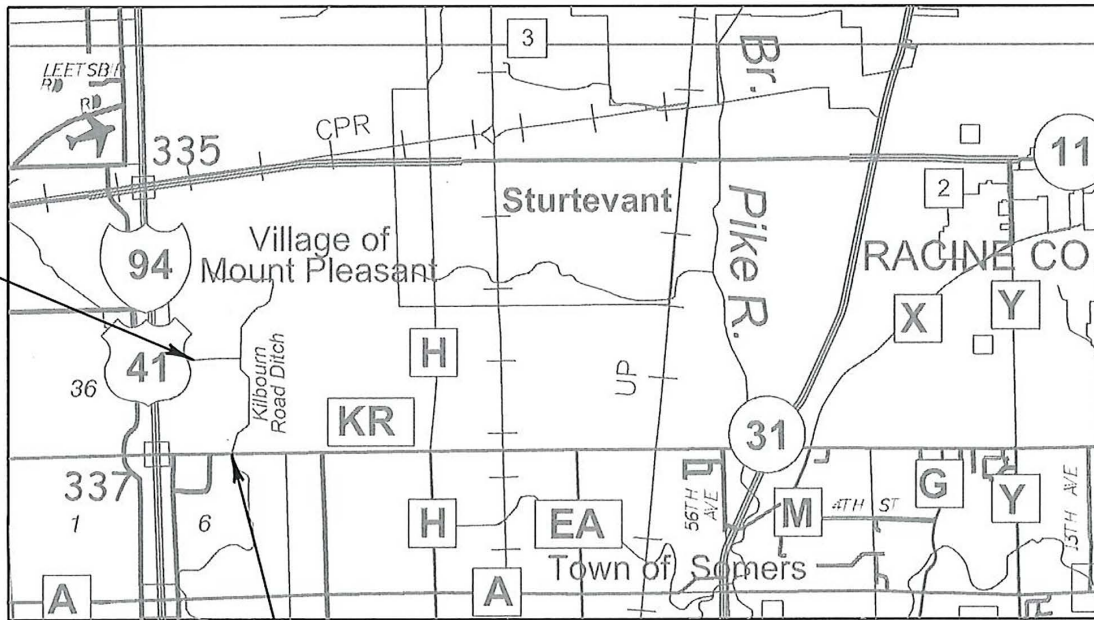
A.A.D.T.	= 16,920 (2018)
A.A.D.T.	= 59,200 (2038)
D.H.V.	= 9.515
D.D.	= 50/50
T.	= 16.8%
DESIGN SPEED	= 40 MPH
ESALS	= 12,000,000

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	////
PROPERTY LINE	----
LOT LINE	- - - -
LIMITED HIGHWAY EASEMENT	L - - - -
EXISTING RIGHT OF WAY	=====
PROPOSED OR NEW R/W LINE	=====
SLOPE INTERCEPT	- - - -
REFERENCE LINE	=====
EXISTING CULVERT	- - - -
PROPOSED CULVERT (Box or Pipe)	=====
COMBUSTIBLE FLUIDS	CAUTION
MARSH AREA	~~~~~
WOODED OR SHRUB AREA	~~~~~

PROFILE	
GRADE LINE	=====
ORIGINAL GROUND	-----
MARSH OR ROCK PROFILE (To be noted as such)	-----
SPECIAL DITCH	-----
GRADE ELEVATION	95.36
CULVERT (Profile View)	o
UTILITIES	
ELECTRIC	E
FIBER OPTIC	FO
GAS	G
SANITARY SEWER	SAN
STORM SEWER	SS
TELEPHONE	T
WATER	W
UTILITY PEDESTAL	+
POWER POLE	+
TELEPHONE POLE	+

STRUCTURE
C-51-85



STRUCTURE
B-30-142

R-22-E

LAYOUT
SCALE 0 0.6 MI.

2704-00-78 TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.
3763-00-75 TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.
TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

Elevations shown on this plan are referenced to the North American Vertical Datum of NAVD 88 (1991)

Coordinates on this plan are referenced to the Wisconsin Coordinate Reference System (WiscRS), RACINE County, NAD 1983 (1997)



11/18
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	KAPUR & ASSOCIATES
Designer	KAPUR & ASSOCIATES
Project Manager	STEVE HOFF
Regional Examiner	
Regional Supervisor	M ANDJOY NAG

APPROVED FOR THE DEPARTMENT
DATE: 6/1/18 (Signature)

E

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLAND AREAS.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE PLACED A MINIMUM OF 6 INCHES IN DEPTH.

TOPSOIL SHALL NOT BE PLACED UNTIL APPROVED BY ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

EROSION CONTROL DEVICES WILL BE PLACED IN SEQUENCE WITH CONSTRUCTION ACTIVITIES AS DETERMINED BY THE ENGINEER.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WILL BE FILLED WITH COMPACTED BACKFILL GRANULAR GRADE 1 UNLESS REGULATIONS REQUIRED OTHERWISE. BACKFILL GRANULAR GRADE 1 IS INCIDENTAL TO THE REMOVAL ITEM.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SIGNS TO BE MOVED SHALL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE RE-INSTALLED.

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS AND GRADATIONS:

CTH KR

5-INCH HMA PAVEMENT _____

2" UPPER LAYER ASPHALTIC SURFACE

3" LOWER LAYER ASPHALTIC SURFACE

DESIGN INDEX	
TITLE	
GENERAL NOTES AND UTILITY CONTACTS	
PROJECT OVERVIEW	
TYPICAL SECTIONS	
CONSTRUCTION DETAILS	
PLAN DETAILS	
EROSION CONTROL	
STAGE CONSTRUCTION	
TRAFFIC CONTROL	
DETOUR PLAN	
ALIGNMENT PLAN	

UTILITY CONTACTS

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VILLAGE OF MOUNT PLEASANT - SEWER
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WE ENERGIES - ELECTRIC
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333 W. EVERETT STREET - A299
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Nicole.Smulen@we-energies.com

CONSTRUCTION FIELD CONTACT:
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WEST ALLIS, WI 53214
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andy.doerflinger@we-energies.com

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STATE AGENCIES

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MOUNT PLEASANT, VILLAGE OF
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mbenish@mtpleasantwi.gov

RACINE COUNTY - DPW
NATHAN PLUNKETT
14200 WASHINGTON AVENUE
STURTEVANT, WI 53177
PHONE: (262) 886-8442
nathan.plunkett@racinecounty.com

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JERRY SMITH
P.O. BOX 197
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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
ROB MERRY
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P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289
CELL: (920) 912-1036
rmerry@sewrpc.org

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU DIG IN WISCONSIN

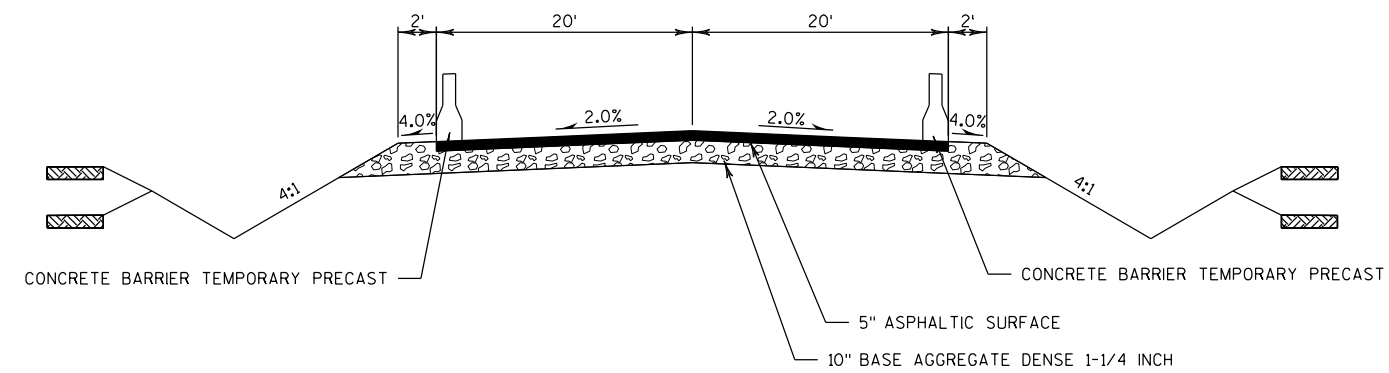
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK
DAYS NOTICE BEFORE YOU EXCAVATE.



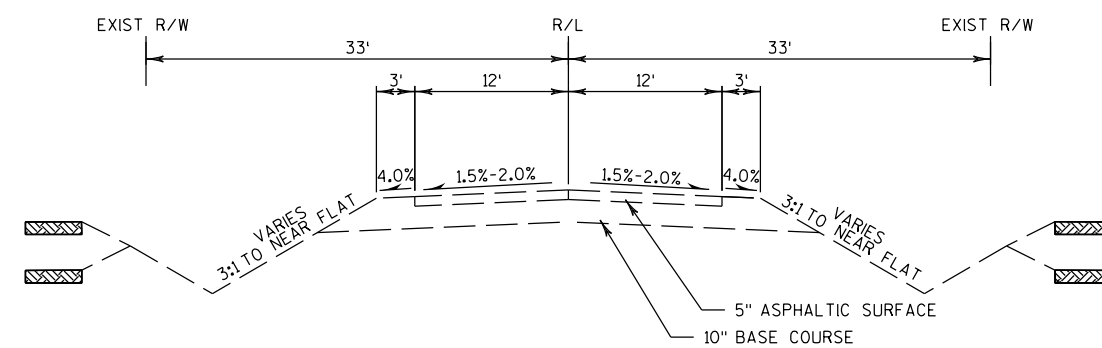
STANDARD ABBREVIATIONS

< ANGLE
ADT AVERAGE DAILY TRAFFIC
AC ACRE
AE, AEW APRON ENDWALL
AGG AGGREGATE
AH AHEAD
ASPH ASPHALTIC
BC BACK OF CURB
BF BACK FACE
BIT EXISTING BITUMINOUS
BM BENCH MARK
BEG BEGIN
BK BACK
C & G CURB AND GUTTER
CABC CRUSHED AGGREGATE BASE COURSE
CB CATCH BASIN
CMCP CORRUGATED METAL CULVERT PIPE
CMP CORRUGATED METAL PIPE
CP CULVERT PIPE
CY CUBIC YARD
CL OR C/L CENTER LINE
CO COUNTY
CONC CONCRETE
CONST CONSTRUCTION
CR CREEK
CTH COUNTY TRUNK HIGHWAY
CWT HUNDRED WEIGHT
D DEGREE OF CURVE
Δ DELTA
DHV DESIGN HOUR VOLUME
DIA DIAMETER
DISCH DISCHARGE
E EAST
EA EACH
EB EASTBOUND
EBS EXCAVATION BELOW SUBGRADE
EL, ELEV ELEVATION
ELEC ELECTRIC(AL), ELEC CABLE
EMB EMBANKMENT
ESALS EQUIVALENT SINGLE AXEL LOADS
ESMT EASEMENT
EW ENDWALL
EXC EXCAVATION
EXIST EXISTING BITUMINOUS
EXP EXPANSION
FC FACE OF CURB
FE FIELD ENTRANCE
FF FACE TO FACE
F/L, FL FLOW LINE
FERT FERTILIZER
FHWA FEDERAL HIGHWAY
FT FOOT (FEET)
G GAS
GN GRID NORTH
H HOUSE
HMA HOT MIX ASPHALT
HORZ HORIZONTAL
HP HIGH POINT
HR HANDICAP RAMP
HYD HYDRANT
I INTERSECTION ANGLE
ID INSIDE DIAMETER
INL INLET
INTER INTERSECTION
INV INVERT
IP IRON PIPE
JT JOINT
K RATE OF VERTICAL CURVATURE
L LENGTH OF CURVE
LB POUND
LC LONG CHORD OF CURVE
LP LOW POINT
LF LINEAR FOOT(FEET)
LHF LEFT HAND FORWARD
LS LUMP SUM
LT LEFT
M MARSH
MATL MATERIAL
MP MARKER POST
MAX MAXIMUM
MGAL 1000 GALLONS
MH MANHOLE
MIN MINIMUM
ML OR M/L MATCH LINE
N NORTH
NB NORTHBOUND

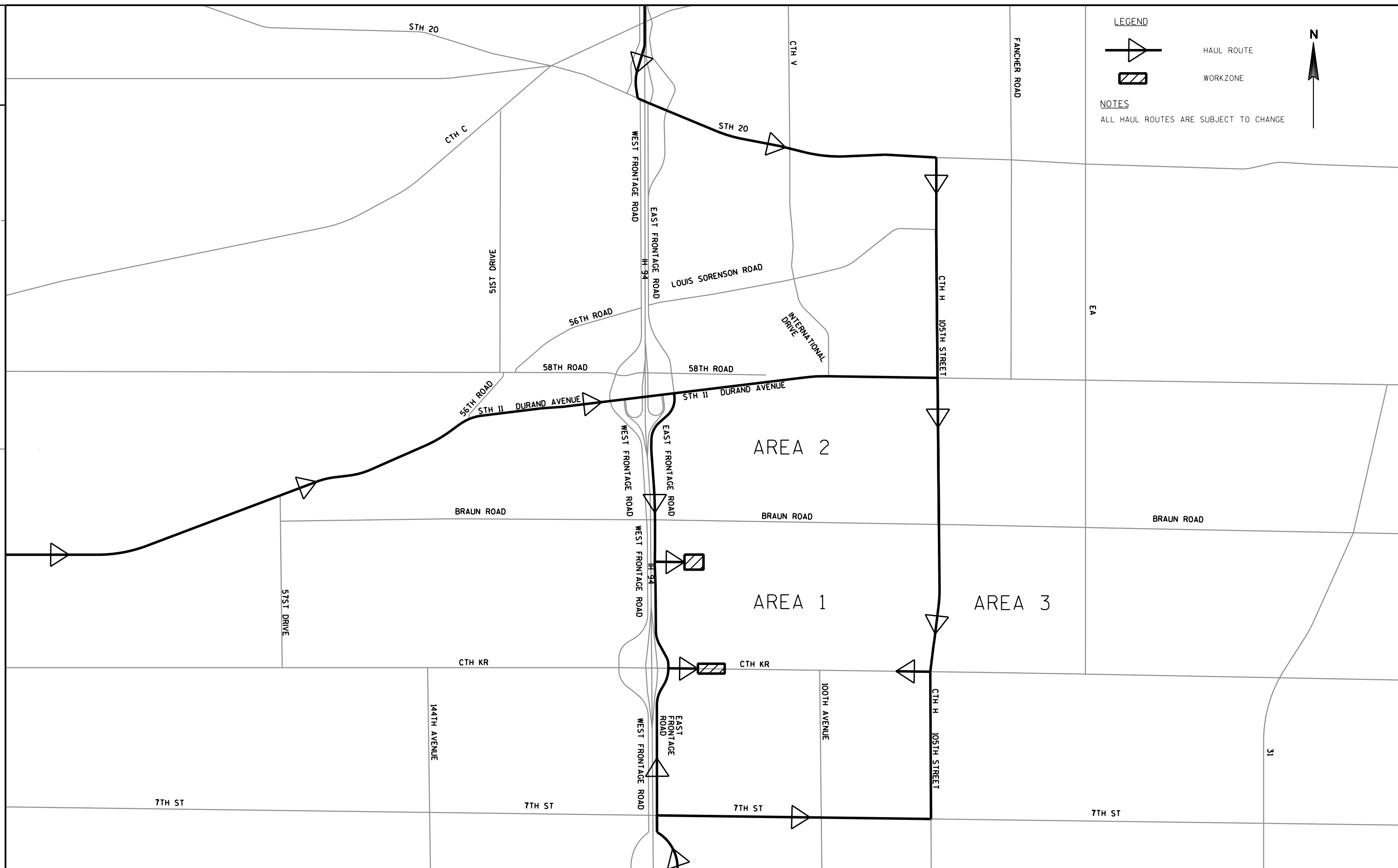
NC NORMAL CROWN OR NO CHANGE
NO NUMBER
NW OR N/W NORMAL WATER
OBLIT OBLITERATE
OD OUTSIDE DIAMETER
PAVT PAVEMENT
PC POINT OF CURVATURE
PCC POINT OF COMPOUND CURVE
PE PRIVATE ENTRANCE
PGL PROFILE GRADE LINE
PI POINT OF INTERSECTION
PL PROPERTY LINE
PLE PERMANENT LIMITED EASEMENT
PRC POINT OF REVERSE CURVE
PROJ PROJECT
PSI POUNDS PER SQUARE INCH
PT POINT OF TANGENCY
PVC POLYVINYL CHLORIDE
PAV'T PAVEMENT
PCC PORTLAND CEMENT CONCRETE
R RADIUS OR RANGE
RC REVERSE CURVE
RCCP REINFORCED CONCRETE CULVERT PIPE
RCHECP REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
RCPSS REINFORCED CONCRETE PIPE STORM SEWER
RHF RIGHT HAND FORWARD
R/L REFERENCE LINE
R/W RIGHT OF WAY
RD ROAD
RDWY ROADWAY
REL RELOCATE
REM REMAINING
REOD REQUIRED
RO RUN OFF LENGTH
RT RIGHT
RW RETAINING WALL
S SOUTH
SALV SALVAGED
SAN SANITARY
SB SOUTHBOUND
SDD STANDARD DETAIL DRAWINGS
SE SUPERELEVATION
SEC SECTION
SF SQUARE FOOT (FEET)
S/L SURVEY LINE
SHLDR SHOULDER(S)
SHR SHRINKAGE
SPECS SPECIFICATIONS
SS STORM SEWER
STA STATION
STH STATE TRUNK HIGHWAY
STR STRUCTURE
SW SIDEWALK
SY SQUARE YARD
TAN TANGENT
TEL TELEPHONE
T (TRUCKS) PERCENT OF
TC TOP OF CURB
TAN TANGENT
TEMP TEMPORARY
TL OR T/L TRANSIT LINE
TLE TEMPORARY LIMITED EASEMENT
TYP TYPICAL
UG UNDERGROUND (CABLE)
UNCL UNCLASSIFIED
VAR VARIABLE
VCL VERTICAL CURVE LENGTH
VPC VERTICAL POINT OF CURVATURE
VPCC VERTICAL POINT OF COMPOUND CURVE
VPI VERTICAL POINT OF INTERSECTION
VPRC VERTICAL POINT OF REVERSE CURVE
VPT VERTICAL POINT OF TANGENCY
VLV VALVE
VOL VOLUME
W WEST
WB WESTBOUND
WV WATER VALVE
X EASTING OR EAST GRID COORDINATE
Y NORTHING OR NORTH GRID COORDINATE
YD YARD

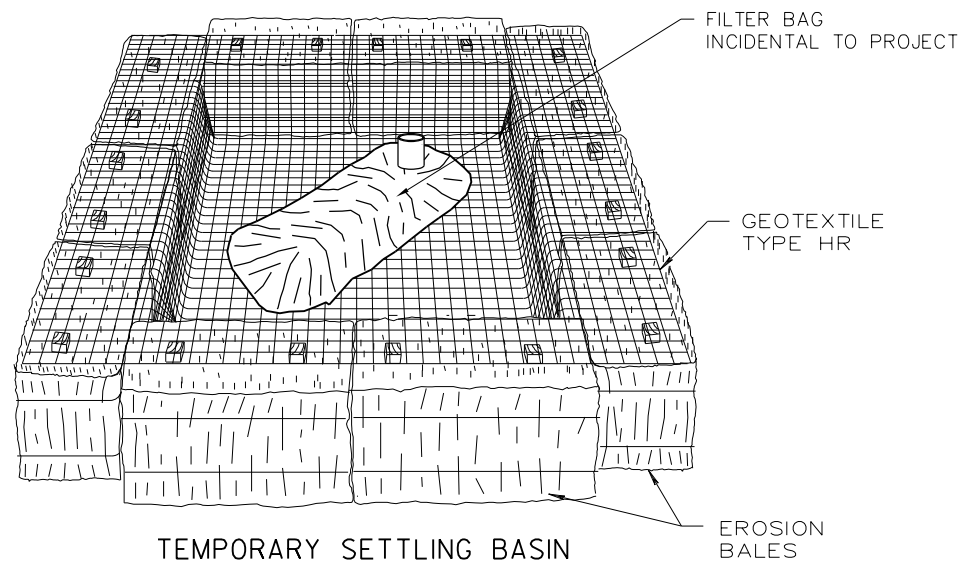


CTH KR TYPICAL FINISHED SECTION
STA 377+32 - STA 379+96



CTH KR TYPICAL EXISTING SECTION
STA 377+32 - STA 379+96





TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:

CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:

SV (C.F.) = 16 X 50
SV = 800 C.F.

$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}} = 533 \text{ S.F.}$

USE A 20 FT. X 27 FT. BASIN

2

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
426	STA 555+95.93,		

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	

CLEARING AND GRUBBING

STATION	OFFSET	LOCATION</
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RESTORATION

	625.0500	628.6510	630.0200
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CLEARING AND GRUBBING

			201.0105	201.0205

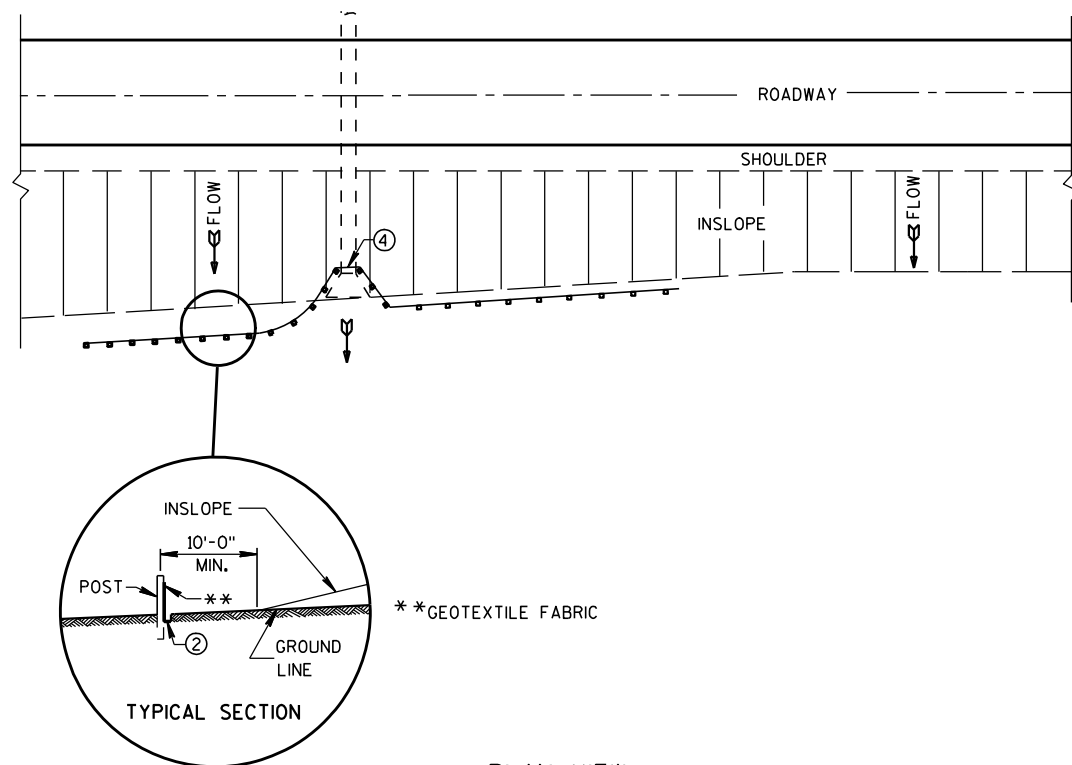
EROSION CONTROL			
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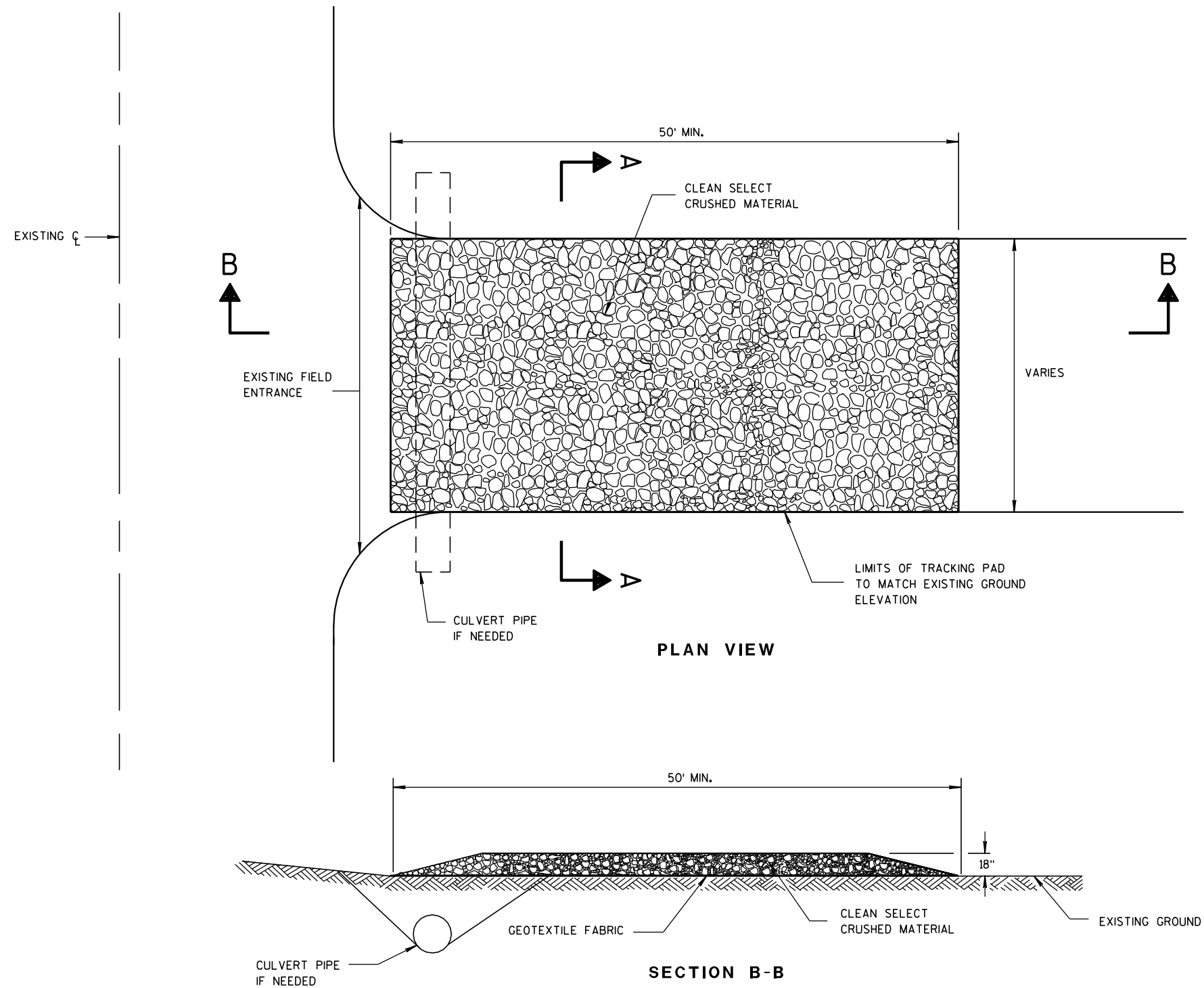
SAWCUTS

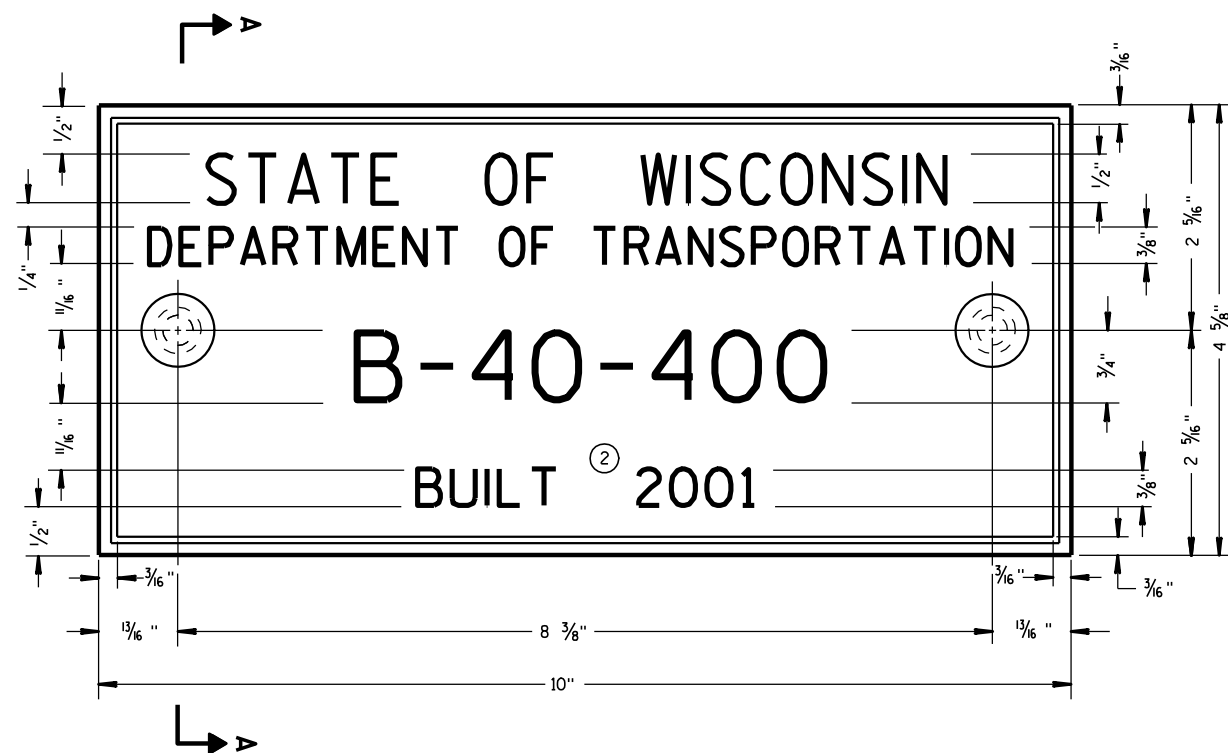
690.0150	
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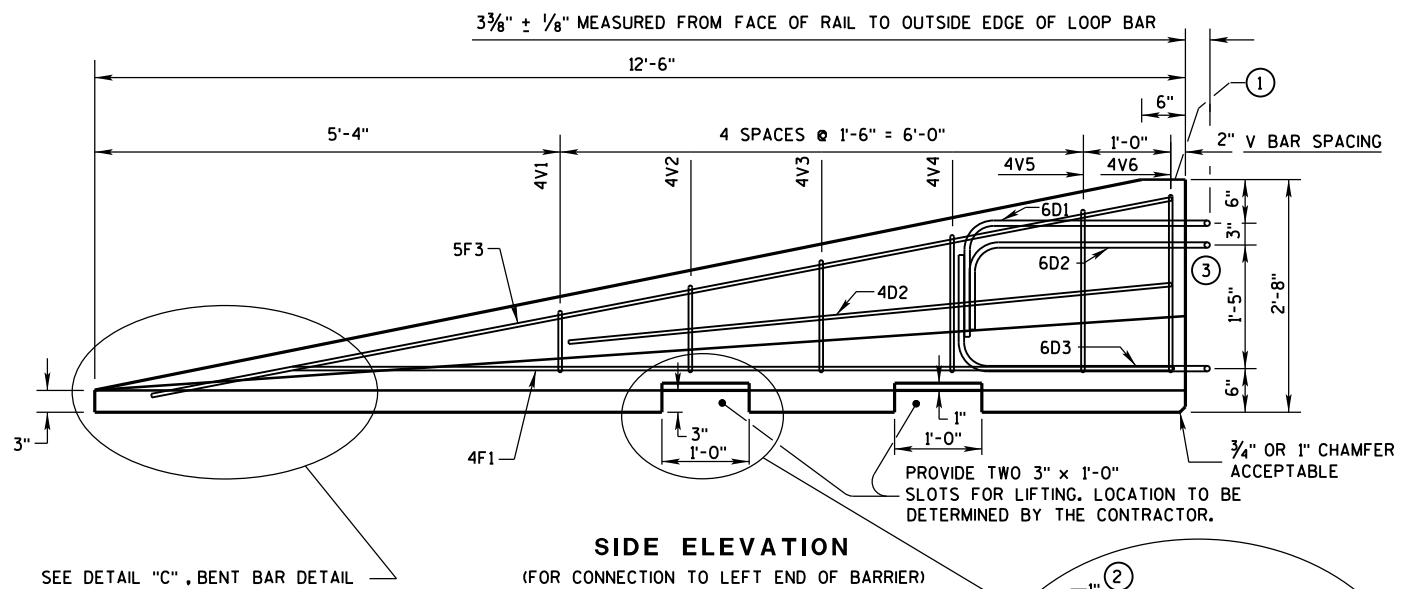
Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E14-01	TRACK



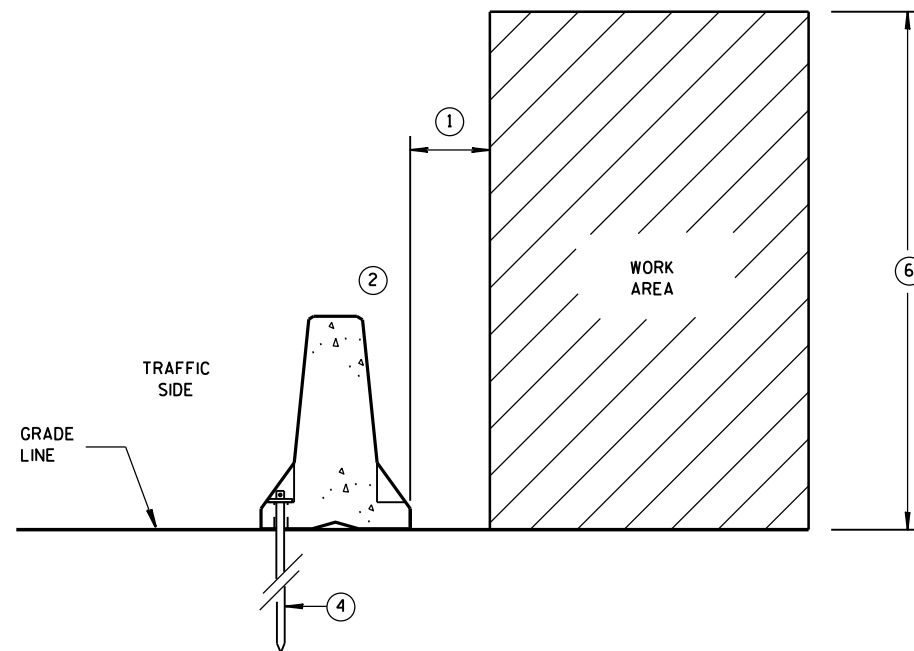


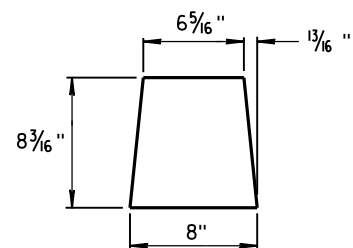


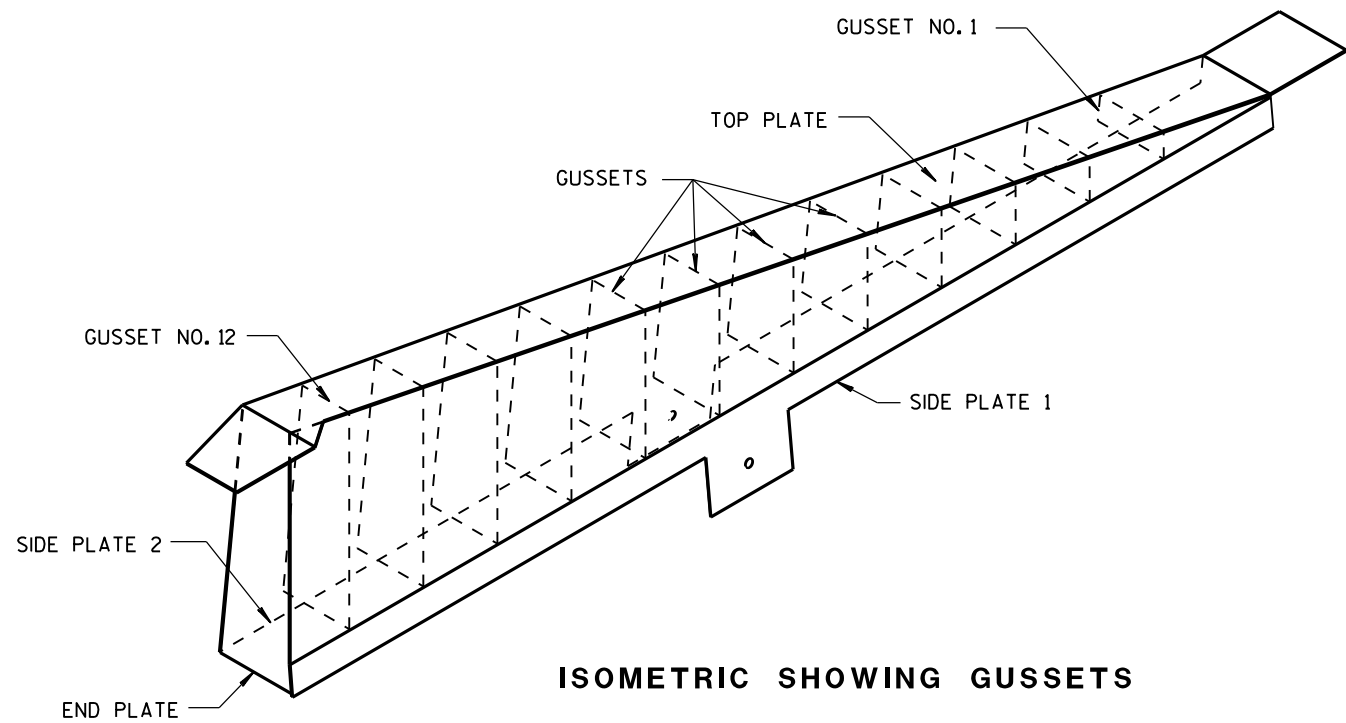


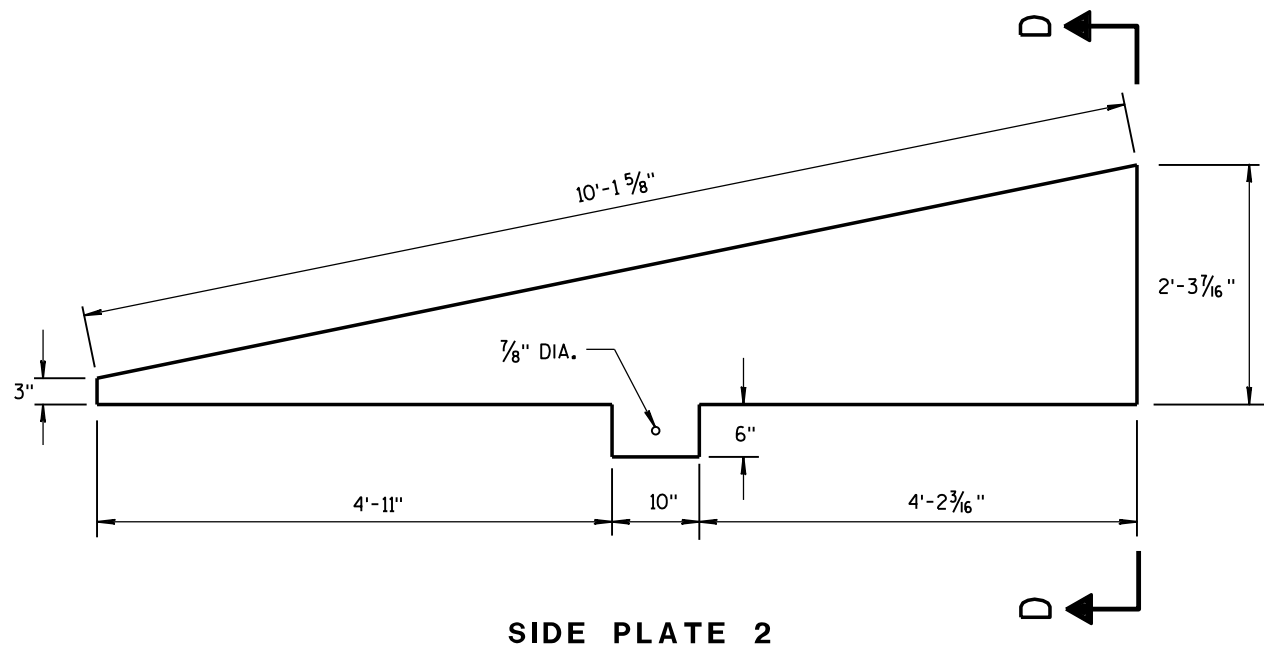
BARRIER TAPER SECTION
BILL OF MATERIALS

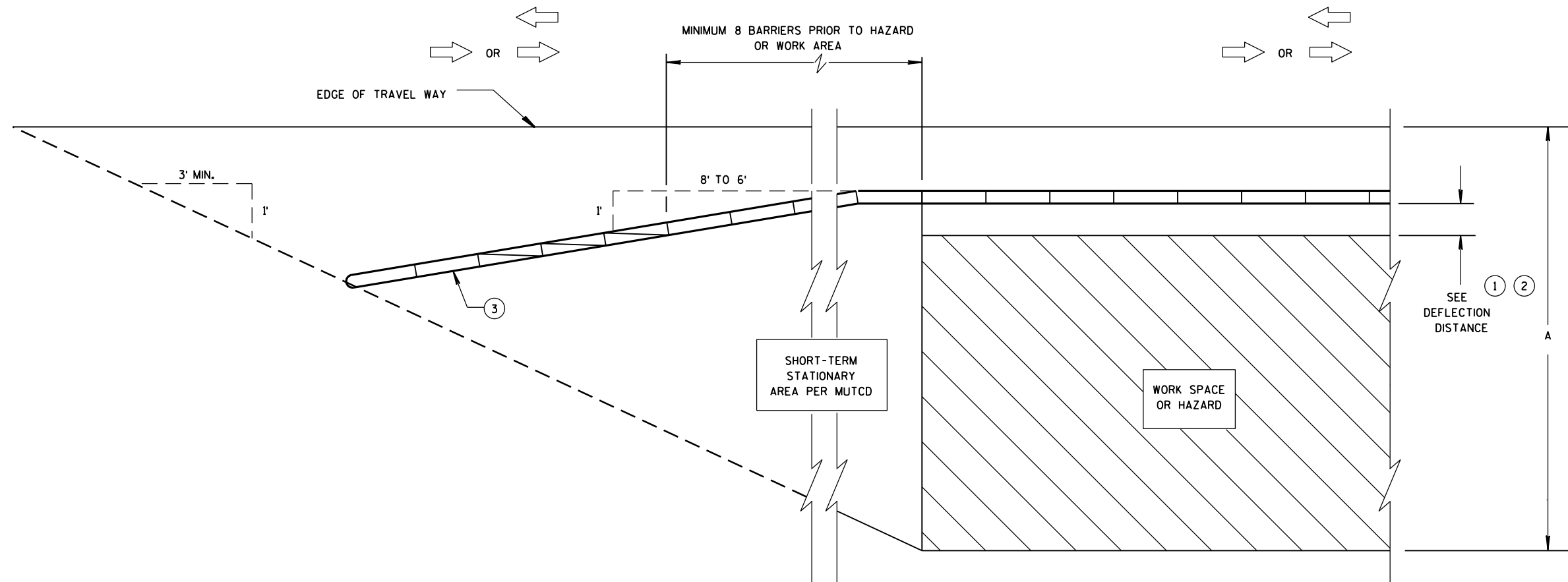
(PER 12'-6" BARRIER TAPER SECTION)

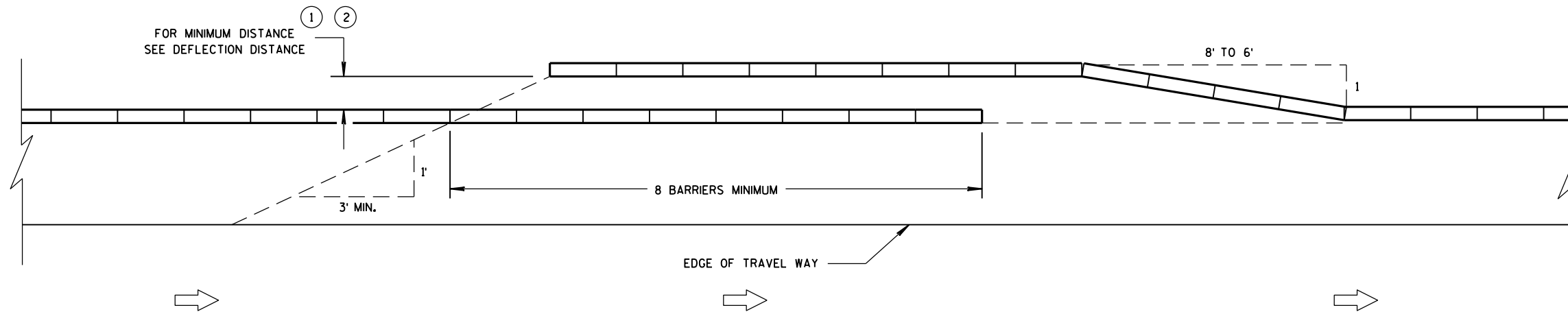


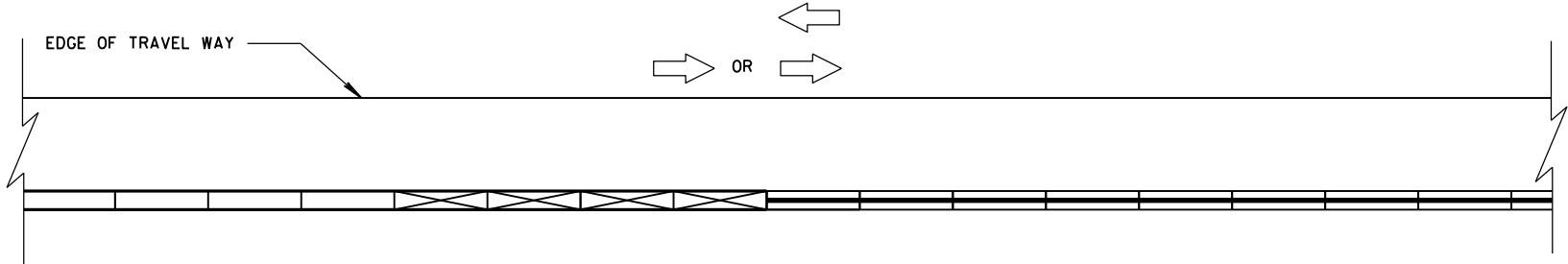






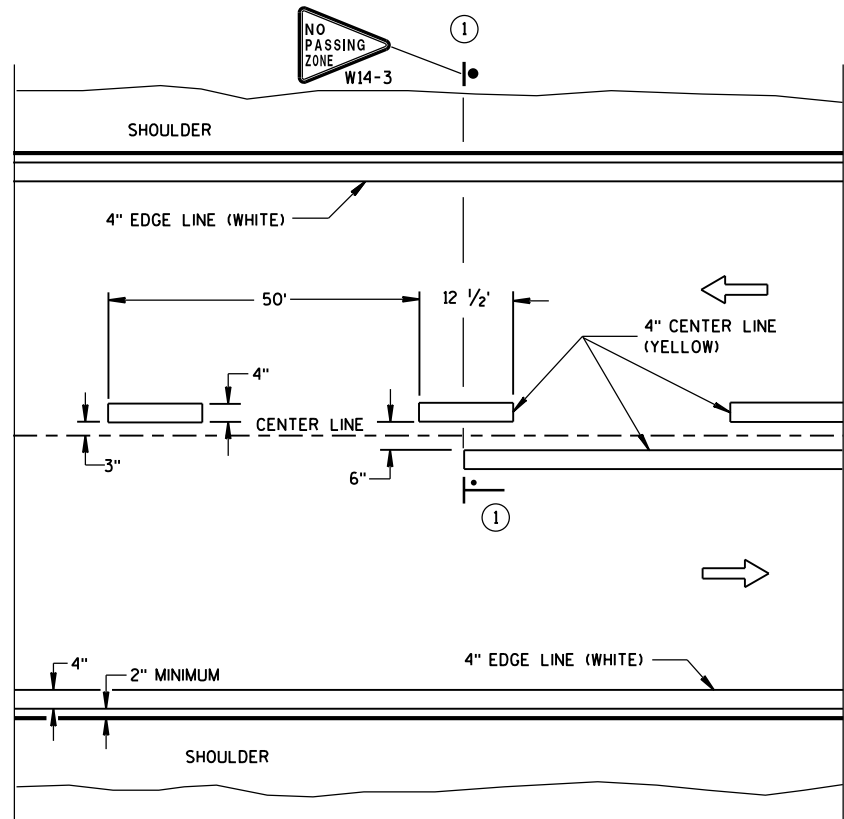






LEGEND

- DIRECTION OF TRAVEL 
- CRASH CUSHION OR SAND BARREL ARRAY



GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT, FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

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