

Notes to the Designer

Updated July 2023

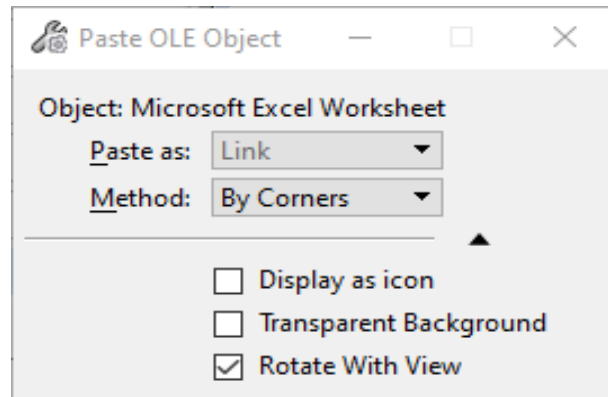
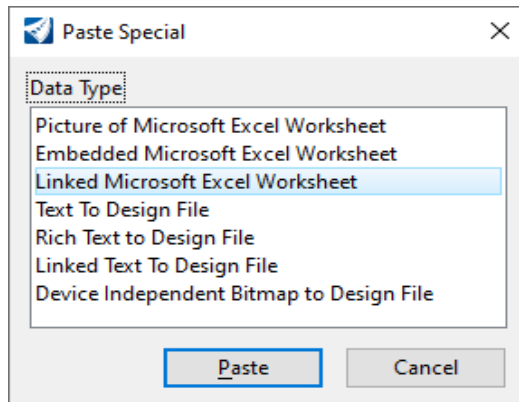
Conventional Plan Symbol & Abbreviation Sheets

- All graphics and text will be in the design model. Only use the sheet model for printing.
- Switch between models to find sheets 1 & 2
- Project specific symbols should be placed in the **Sheet 2** model
- Gray elements are construction elements and will not print
- Place continuation of Index of Sheets from excel spreadsheet in **Sheet 1** model

The diagram shows a table titled "INDEX TO SHEETS" with two columns: "SHEET" and "DESCRIPTION". The first row contains "A1" and "TITLE SHEET". The second row contains "A2" and "CONVENTIONAL PLAN SYMBOLS & ABBREVIATIONS". Dimensions are indicated with arrows: a vertical arrow of 14 points to the top header row, a vertical arrow of 20 points to the first data row, a vertical arrow of 10 points to the second data row, and a vertical arrow of 14 points to the third data row. A horizontal arrow of 14 points to the width of the "SHEET" column, and a horizontal arrow of 55 points to the width of the "DESCRIPTION" column. A bracket on the right side groups the first three rows and is labeled "Row Height". A box labeled "Text Size Verdana Font" has arrows pointing to the text in the first and second rows. A bracket at the bottom of the table is labeled "Column Width".

SHEET	DESCRIPTION
A1	TITLE SHEET
A2	CONVENTIONAL PLAN SYMBOLS & ABBREVIATIONS

- Save the excel file; Copy the Index to Sheets
- Go to Drawing>Home>Selection>Paste>Paste Special
- Paste as an Linked Worksheet by Corners; Snap to gray box



Updates

- **July 2023**
 - Updated border; updated to international seed file
 - Updated symbols

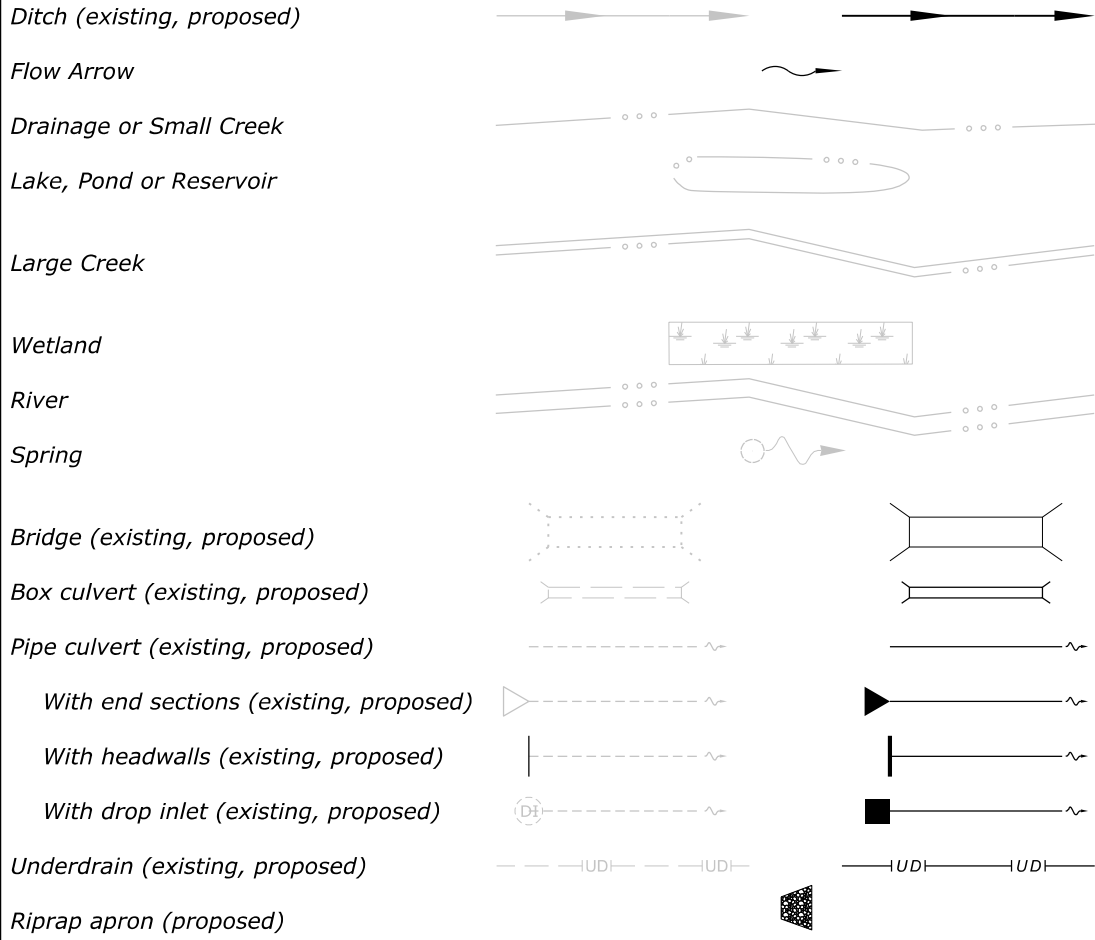
ABBREVIATIONS

¢	centerline
Δ	curve delta
∅	diameter
A abut.	abutment
ADT	average daily traffic
aggr.	aggregate
AH	ahead
alt.	alternate
appr.	approach
asph.	asphalt
B b.f.	both faces
beg.	beginning, begin
BK	back
BM	bench mark
BP	balance point
br.	bridge
brg.	bearing
C CBC	concrete box culvert
c-c	center to center
clr.	clear
CMP	corrugated metal pipe
Co.	county
col.	column
conc.	concrete
constr.	construction
constr. jt.	construction joint
cont.	continuous
corr.	corrugated
cr.	creek
CS	point of curve to spiral
ctrs.	centers
CTSM	contingent sum
culv.	culvert
D decr.	decrement
DHV	design hour volume
DI	drop inlet
dia. or D	diameter
diag.	diagonal
diaph.	diaphragm
dist.	distance
Dist.	district
DLC	donation land claim
dwg(s).	drawing(s)
E E	east
e	superelevation rate
El. 94.066	elevation with number
elev.	elevation
emb.	embankment
engr(s).	Engineer(s)
EOP	edge of pavement
EQ or eq.	equation
ER	edge of road
et al	and others
et ux	and wife
EW	edge of water
exc.	excavation
exp. jt.	expansion joint
ext.	exterior
F f.f.	fill face
Fed.	federal
FES	flared end section
fin.	finish
ftg.	footing
G ga.	gage (gauge)
galv.	galvanized
gdr.	girder

H hdwl.	headwall
HES	homestead entry survey
hex.	hexagon
horiz.	horizontal
HW	high water
hwy.	highway
I ID	inside diameter
incl.	inclusive, including
int.	interior
J jt.	joint
L L	length of curve
lam.	lamination
lat.	latitude
long.	longitude
LPSM	lump sum
Lt. or LT	left
LW	low water
M mag.	magnetic
maint.	maintenance
matl.	material
max.	maximum
MGS	Midwest Guardrail System
min.	minimum
mon.	monument
mtn(s).	mountain(s)
N N	north
NC	normal crown
neg.	negative
no. or #	number
O o.c.	on centers
o.f.	other face
OD	outside diameter
P PC	point of curve
PCC	point of compound curve
perf.	perforate
PI	point of intersection
pl.	plate
POC	point on curve
POS	point on spiral
POT	point on tangent
proj.	project
psi	pounds per square inch
PT	point of tangent
pvmt.	pavement
Q quant., Qty	quantities
R R	radius
R.	range
R/W	right-of-way
rd.	road
rdwy.	roadway
reconst.	reconstruction
reinf.	reinforcement
reqd.	required
res.	reservoir
Res.	Reservation
ret. wall	retaining wall
RH	reference hub
Rt. or RT	right
rte.	route

S S	south
SADT	seasonal average daily traffic
SC	point of spiral to curve
sec.	section
shldr.	shoulder
spa.	spacing, spaces or spaced
spec.	specification
st.	street
ST	point of spiral to tangent
sta.	station
std.	standard
stiff.	stiffener
str.	straight
struc.	structural
sym.	symmetrical
T T	tangent length
T.	township
tan.	tangent
TBM	temporary bench mark
TCE	temporary construction easement
transv.	transverse
TS	point of tangent to spiral
typ.	typical
V V	design speed
vert.	vertical
vph	vehicles per hour
VPI	vertical point of intersection
W W	West

DRAINAGE SYMBOLS



CONTINUATION OF
INDEX TO SHEETS
LINK
FROM EXCEL

NOTE TO DESIGNERS
DO NOT MODIFY
ADD OR SUBTRACT
ITEMS LEFT OF
THIS LINE

**CONVENTIONAL PLAN SYMBOLS
AND ABBREVIATIONS**

K:\CADD_Coordinator\ORD Drawings\Templates - 10.10 version\Updated\SYM.dgn [Symbols Sheet] 28 May 2024 9:07 AM

K:\CADD_Coordinator\ORD Drawings\Templates - 10.10 version\Updated\SYM.dgn [Symbols Sheet 2] 28 May 2024 9:10 AM

FENCE & CATTLE GUARD SYMBOLS

Fence (existing, proposed)		
Fence with gate (existing, proposed)		
Cattle guard (existing, proposed)		

GEOLOGIC SYMBOLS

Boring location	
Material source	

LANDSCAPING & VEGETATION SYMBOLS

Tree	
Tree line	

MAPPING SYMBOLS

Building (existing, proposed)	
Coordinate Grid Tick	
North arrow	
Railroad	
Single Track	
Double Track	
Spot elevation	
Trail	
Survey control point	

GUARDRAIL, BARRIER & WALL SYMBOLS

Guardrail (existing, proposed)	
Guardwall (proposed)	
Median & Side Barrier (existing, proposed)	
Retaining Wall (existing, proposed)	

ROADWAY SYMBOLS

Clearing/construction limits	
Slope stake limits	
Top of Cut	
Transition	
Toe of fill	
Edge of roadway (existing, proposed)	
Roadway centerline (with station ticks)	
Roadway obliteration	

RIGHT-OF-WAY SYMBOLS

Boundaries	
National	
State	
County	
City	
Township or Range line	
Section	
1/4 Section	
1/16 Section	
Bureau of Indian Affairs	
Bureau of Land Management	
National Forest	
National Park	
National Wildlife Refuge	
Easements	
Permanent (existing)	
Permanent (proposed)	
Temporary (proposed)	
Monument (as described)	
Parcel number	
Property line	
Right-of-way line (existing)	
Right-of-way line (proposed)	

Section corner (found, projected)	
1/4 Section corner (found, projected)	
1/16 Section corner (found, projected)	

SIGN SYMBOLS

Signs	
Commercial (existing, proposed)	
Delineator (existing, proposed)	
Portable (proposed)	
Post mounted (existing, proposed)	

UTILITY SYMBOLS

Irrigation ditch	
Underground (existing, proposed)	
Surface (existing, proposed)	
Support pole (existing, proposed)	
Support pole anchor (existing, proposed)	
Street light (existing, proposed)	
Telephone pedestal (existing, proposed)	
Underground utility	
CATV (existing, proposed)	
Fiber optic (existing, proposed)	
Gas (existing, proposed)	
Oil (existing, proposed)	
Power (existing, proposed)	
Sanitary sewer (existing, proposed)	
Telephone (existing, proposed)	
Water (existing, proposed)	
Overhead utility	
CATV (existing, proposed)	
Fiber optic (existing, proposed)	
Power (existing, proposed)	
Telephone (existing, proposed)	

PROJECT SPECIFIC SYMBOLS

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THIS LINE

**CONVENTIONAL PLAN SYMBOLS
AND ABBREVIATIONS**
Sheet 2 of 2

PROJECT	SHEET NUMBER
PROJECT NUMBER	A3
PROJECT NAME	