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THIS IS A LIST OF NOTE ORDERS PLUS OTHER INFORMATION THAT GO WITH THE ITEMS.

GENERAL INFORMATION:

- Do not combine notes of different items like drainage, curb, & guardrail (guardrail and concrete barrier sometimes can be combined).
- The first instance that an item is shown on the plans include the standard drawing number(s) that show the item. When that item is repeated in the plans do not show the standard drawing number(s) again. Some standard drawings have more than one item (example: curbs, mailboxes...), and that standard drawing will be

referenced each time a different item is used.

- Example: (See drg. no. RD???) *
- When a reference to a detail sheet is used with an item, every time that a note for that item is used, the reference to the detail is to be used. Example: (For details, see sht. ??)

Example when both are present: (For details, see sht. ??) (See drg. no. RD???)

- For standard drawing, list all applicable at first instance thusly Example: (*See drg. nos. RD500, RD505, ????*)
- When an item (i.e. median barrier) is shown on more than one sheet, on the first sheet show what is being done to the item on the complete run plus what is only on that sheet.

EXAMPLE

9

Sta. "NB" 137+98 to Sta. "F" 13+92 Remove extg. conc. median barrier - 412.5' Const. conc. median barrier - 412.5' Const. terminal, flared (See drg. nos. RD500 & RD510)

(All sheets) (All sheets) (First sheet)

On the second sheet, show what is being done to the item on the complete run plus what is only on that sheet. Do not show quantities for the complete run item just what is on that sheet

EXAMPLE

See sht. 5A, note 9 Remove extg. conc. median barrier Const. conc. median barrier Const. terminal, flared (See drg. no. RD510)

(All sheets)(All sheets)(Second or last sheet)

NOTE EXAMPLES	REMARKS
APPROA	ACH
Const. appr. (See drg. no. RD715)	Approach stations not needed, if they are shown on the plans.
Pave appr.	
ACCESS	ROAD
Const. access road	Access road stations not needed, if they
(For details, see sht. 2B-?)	are shown on the plans.
BARRI	ER
Sta. "L" 123+45 to Sta. "L" 123+45, Lt.	Include line designation "L" when present.
Remove extg. conc. median barrier - ?'	Add reflectorized if required.
Remove earth mound - ? cu. yd.	Add cast-in-place if required
Remove pvmt.	Evenueles
Const. conc. median barrier - ?'	Example: <i>Const. cast-in-place median barrier - 100</i> '
Const. tall conc. median barrier - ?'	Reflectorized
Const. conc. shldr. barrier - ?'	
Const. single slope conc. barrier - ?'	
Const. precast conc. narrow base shldr. barrier	-?'
with scuppers left open (As directed)	
Anchor barrier	
Const. cast-in-place transition to curb	
Const. transition to standard conc. barrier	
Const. tall conc. barrier transition to standard	
conc. barrier	
Flare rate= ?, E= ?'	"W" value only shown on guardrail.
Const. conc. barrier terminal	
Const. trailing end terminal	
Const. conc. barrier transition to bridge rail	
Const. guardrail connection to conc. barrier	
Const. conc. barrier to curb transition	•
Const. single slope barrier to standard conc. barri	ler
Connect to guardrail	
Const. conc. barrier around median obstacle	
Const. tall conc. barrier around median obstacl	e
Bury barrier in backslope Bury tall barrier in backslope	
Bury tall barrier in backslope	See general information for RD500 series
(For details, see sht. 2B-?) (See dra nos RD500 RD222)	Std. Dwgs.
(See drg. nos. RD500, RD???)	

NOTE EXAMPLES	REMARKS
BARRIER	Cont.)
Sta. "L" 123+45 to Sta. "L" 123+45, Lt. or Rt. Remove extg. conc. median barrier - ?' Const. conc. median barrier - ?' with scuppers left open (As directed) Const. terminal, flared	
Sta. "L" 123+45 to Sta. "L" 123+45, Lt. or Rt. Remove extg. conc. shldr barrier - ?' Const. conc. shldr barrier - ?' Const. terminal, flared	
Sta. "L" 123+45 to Sta. "L" 123+45 Apply epoxy coating to extg. conc. median & extg. conc. shldr. barrier - ?"	
BEACO	DN
Inst. 2-way flashing beacon	Requires approved signal plan sheets. See the ODOT Signal Design and Drafting Manuals for further guidance preparing any signal plans.
BIKEW	AY
Const. bikeway	Normally shown under typical sections with alignments.
BOLLA	RD
Inst. bollard - ? (For details, see sht. 2B-?)	
BOX CUL	VERT
Const. ?" x ?" R.C.B.C ?' (For drg. nos., see sht. 1A)	Culvert 6' and greater dia. will have a structure number. 5' to 19' under "G" series sheets.
BRIDG	E
Structure no. 00000 Const. structure - ?' Rdwy. width ?' with ?' walk, Lt. and reinf. panel at bridge ends (For drg. nos., see sht. 1A)	For new structure: Other construction items are covered with bridge plan sheets.

NOTE EXAMPLES	REMARKS
BRIDG	E (Cont.)
Structure no. 00000 Sta. "L" 123+45 to Sta. "L" 123+45 Const. reinf. panel at bridge end - ? (For drg. nos., see sht. 1A)	For existing structure. Show only that there are bridge drawings in- cluded.
BUS	S PAD
Sta. "L" 123+45 to Sta. "L" 123+45, Lt. or Rt.	
Const. plain conc. undowelled pvmt ? sq. ft.	
CATTLE	E GUARD
Const. cattle guard Const. painted cattle guard (See drg. nos. RD110 & BR175)	
CATTL	E PASS
Const. cattle pass (For details, see sht. 2B-?) (See drg. no. RD110)	
CATV L	JTILITIES
Inst. TV cable (By others) Inst. TV cable riser (By others)	
CHANNE	L CHANGE
Const. channel change ?' bottom, 1:? slopes Gen. exc ? cu. yd.	
(For details, see sheet. 2B-?)	Or can be shown in earthwork bracket.
CON	NDUIT
Inst. ?" culv. pipe - ?' (Conduit) ?' depth	
CONN	ECTION
Const. street connection	Street connection stations not needed, if they are shown on the plans. Counted as road approach for quantities.

NOTE EXAMPLES	REMARKS
CULVER	TPIPE
Inst. ?" culv. pipe - ?' ?' depth Inst. ?" culv. pipe - ?' (Conduit) ?' depth Inst. safety ends section - ?	Any culvert 6' and greater dia. must have a bridge structure number. Culverts 5' to 19' shall be part of the "G" series sheets. Use the term "Conduit" when the culvert will carry another culvert or other item.
CUF	RB
Const. curb and gutter Const. low profile mountable curb Const. standard curb Const. mountable curb and gutter - ?" width Const. mountable curb Const. monolithic curb and sidewalk Const. P. C. conc. drainage curb Const. asph. conc. drainage curb Const. curb ending - ? Const. curb ending - ? Const. curb transition (For details, see sht. 2B-?)	Do not show a length for runs of curb. Do not shows curb height in the note; show this on the typical sections.
(See drg. no. RD700)	
DETOUR AND ON	SITE DIVERSION
Const. detour structure - ?' Rdwy. width - ?' Const. detour Const. temp. approach Const. temp. conc. barrier Remove detour structure Remove detour Remove temp. approach Remove temp. conc. barrier (For details, see traffic control plans) (For drg. nos., see sht. 1A)	Specification refers to both detour and on- site diversions as detours.
DIK	E
Const. dike	
DITCH (Or Irrig	gation ditch)
Const. ditch ?' flat bottom, 1:? slopes "V" bottom, 1:? slopes Dt. exc ? cu. yd. (For details, see sht. 2B-?)	

NOTE EXAMPLES	REMARKS	
DRAINAGE (General order of drainage note)		
Sta. "L" 123+45, ?' Lt. or Rt.	Provide the offset distance for manholes, if	
Sta. "L" 123+45, Lt. or Rt.	required.	
Remove manhole	For inlets, because they are usually adjacent	
Abandon manhole	to the curb, when not provide the offset dis-	
Const. manhole	tance.	
Const. manhole with inlet	Provide additional F.L. elevation and rim	
Const. manhole ?" dia.	elevation in the construction note for clarity	
Const. manhole ?" dia. with inlet	items not shown on profile.	
Const. diversion manhole		
Const. shallow manhole		
Const. water quality manhole		
Major adjust manhole		
Minor adjust manhole	Manhole type to match bid item.	
Remove inlet		
Abandon inlet	Open grade HMAC may require additional	
Adjust inlet	details.	
Cap inlet		
Const. type ?'inlet		
Const. precast basin, ?' deep		
Connect to extg. storm sew. pipe		
Connect to extg. inlet		
Connect to extg. manhole	Or san. sew. pipe as required.	
Const. sump		
Adjust sump		
Remove pipe - ?'		
?" culv. pipe - ?' (In pl.)		
Remove end section, Lt. or Rt.		
Remove - ?' Lt.		
- ?' Rt.		
Extend - ?' Lt., ?' depth		
- ?' Rt., ?' depth		
Inst. ?" drain pipe - ?	List smallest diameter first, in kind.	
?' depth	Include all pipes flowing into a M.H. or inlet	
Inst. 12" culv. pipe - ?'	in one note.	
?' depth		
Inst. 18" culv. pipe - ?'	Depths are listed to maximum depth to flow	
?' depth	line.	
Inst. 4" culv. pipe - ?' (Conduit)	5 feet	
?' depth	10 feet	
Inst. 12" storm sew. pipe - ?'	20 feet or	
?' depth	over 20 feet	

NOTE EXAMPLES	REMARKS
DRAINAGE	(Cont.)
Inst. 18" storm sew. pipe - ?' ?' depth Inst. 6" irrigation pipe - ?' ?' depth Inst. 12" siphon pipe - ?' ?' depth Inst. surface drain pipe Inst. safety end section - ? Inst. lateral section with cleanout gate Inst. 3 piece ? • elbow - ? Inst. slip joint Inst. slope anchor Const. longitudinal edge drain	Or san. sew. pipe as required.
Const. longitudinal edge drain outlet to inlet Inst. culv. ID marker, Type ? DFI no. Dxxxxx MP xxx.xx	ID marker Type 1 or 2 Use for culvert 48" or less when not on G series sheet.
Const. sloped end Const. subgrade cutoff drain Const. paved end slope, Lt. & Rt. Const. loose riprap (Class ?) - ? cu. yd. Drainage geotextile type "?" Filter blanket - ? cu. yd. Gravel drain matl ? cu. yd. Trench resurf ? sq. yd. Granular backfill matl ? cu. yd. Bedding matl ? cu. yd.	
(For details, see sht. 2B-?) (See drg. nos. RD300, RD?)	See general information for RD300 series.
MISCELLANEOUS D	RAINAGE NOTES
Adjust extg. inlet & modify for open grade wearing surface drain - ? (See drg. no. RD314)	
Sta. "L" 123+45, Rt. ?" CMP (In pl.) Saw cut pipe end to match embankment slope Const. loose riprap (Class ?) - ? cu. yd. As directed	
Sta. "L" 123+45, Rt. Inlet (In pl., ?' deep) Adjust conc. inlet, raise ?" Extra aggr. shldr. rock around inlet - ? cu. yd. (For details, see sht. 2B-?)	

NOTE EXAMPLES	REMARKS
MISCELLANEOUS DRAINA	GE NOTES (Cont.)
Sta. "L" 123+45, Rt.	When no pipe data sheet is provided.
Const. manhole	
?' depth, end treatment 1:? slopes	
Material –	
?" x ?" lock seem aluminum corrugated circular	
pipe - ?" thkn. with polymeric coating or	
?" x ?" welded or lock seem steel corrugated	
circular pipe - ?" the. uncoated or	
?" x ?" x ?" corrugated aluminum spiral rib	
pipe - ?" the. with polymeric coating or	
?" x ?" x ?" corrugated steel spiral rib pipe - ?" thkn.	
uncoated or	
Class IV precast concrete pipe or	
HDPE pipe	
(See drg. nos. RD300, & RD???)	See general information for RD300 series
DRIVEWA	Y
Const. asph. conc. dwy. type A-1"	Driveways stations not needed if they are
Const. P.C. conc. dwy. type A''	shown on the plans.
Const. P.C. conc. dwy., option (A-N)	1
Const. P.C. conc. dwy., option (A-N) modified	
Const. asph. conc. connection	
(For details, see sht. 2B-?)	
(See drg. nos. RD715, RD???)	See general information for RD700 series.
ELECTRICAL UT	ILITIES
Inst. elec. meter (By others)	
Inst. elec. transformer (By others)	
Inst. elec. vault (By others)	
EROSION CON	FROL
Const. aggregate construction entrance	Generally notes are covered by Erosion Con-
Const. inlet protection (Type ?)	trol Plans. See ecV8_cache.dgn
Const. check dam	
Const. sediment fence	
Inst. sediment barrier (Type ?)	Specify type as needed.
Const. sediment barrier (Type ?)	Under "G" series sheets.
Inst. plastic sheeting	
Inst. compost/topsoil blend	
Inst. sediment mat	
Const. sediment fence	
Const. seatment fence Const. diversion dike/swale	
Const. temp. sediment trap	
Const. temp. seatment trap Const. turbidity barrier	
Const. turbially barrier Const. temp. scour hole	
Const. temp. scour note Const. temp. slope drain	

NOTE EXAMPLES	REMARKS
EROSION CONTR	ROL (Cont.)
Const. temp. drainage curb	
Const. tire wash facility (See drg. Nos. RD1000 & RD????)	See general information for PD1000 series
(See arg. 1005. KD1000 & KD????)	See general information for RD1000 series.
FENCE	E
Sta. "L" 123+45 to Sta. "L" 123+45, Lt.	Only show stationing if appropriate.
Const. type 2 fence	
Const. type 2 fence on barrier	
(See drg. nos. RD810, RD815 & RD820)	
Const. temp. pedestrian fence	Contractor chooses.
Remove temp. pedestrian fence	confluctor enouses.
Const. temp. orange plastic mesh delineation fence	Designer chooses.
Remove temp. orange plastic mesh delineation fence	
FIRE HYDR	
Sta. "L" 123+45, Lt.	May require offset and grade data.
Inst. fire hydrant (By others)	
Relocate fire hydrant (By others)	
FRONTAGE	POAD
Const. frontage road	Frontage road stations not needed if they are shown on the typical sections.
	are shown on the typical sections.
GATE	
Sta. "L" 123+45, Lt.	
Sta. "L" 123+45, Lt. Inst. ?' gate	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820)	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT	L L L L L L
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT Drainage geotextile type "?" - ? sq. yd.	FILE Geotextile generally is included in other
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT Drainage geotextile type "?" - ? sq. yd. Embankment geotextile - ? sq. yd.	FILE Geotextile generally is included in other notes. These are examples of both stand
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT Drainage geotextile type "?" - ? sq. yd. Embankment geotextile - ? sq. yd. Riprap geotextile type "?" - ? sq. yd.	FILE Geotextile generally is included in other
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT Drainage geotextile type "?" - ? sq. yd. Embankment geotextile - ? sq. yd. Riprap geotextile type "?" - ? sq. yd. Wall geotextile - ? sq. yd.	FILE Geotextile generally is included in other notes. These are examples of both stand
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820) GEOTEXT Drainage geotextile type "?" - ? sq. yd. Embankment geotextile - ? sq. yd. Riprap geotextile type "?" - ? sq. yd.	FILE Geotextile generally is included in other notes. These are examples of both stand

NOTE EXAMPLES	REMARKS	
GUARDRAIL		
Sta. "L" 123+45 to Sta. "L" 123+45, Lt.	Show radius on plan sheet, where appropriate.	
Remove extg. metal median barrier - ?'		
Remove extg. guardrail - ?'		
Adjust extg. guardrail - ?' (As directed)		
Const. cable guardrail system - ?'		
Const. metal median barrier - ?'		
Const. guardrail - ?' (Type 1)		
Const. guardrail - ?' (Type 2A)		
Const. 31" guardrail - ?' (Type 2A)		
Const. guardrail - ?' (Type 3)		
Const. 31" guardrail - ?' (Type 3)		
W=?', E=?'		
Extra for ?' guardrail posts - ?	Extra for long posts - ?' is length of post and ? is the quantity of posts	
Extra for ?' steel guardrail posts - ?	Extra for long posts - ?' is length of post and ? is the	
	quantity of posts	
Const. guardrail transition		
Const. 31" guardrail transition		
Const. anchor - ? (Type 1)	Do not show a quantity if only 1.	
Inst. end piece - ? (Type B)	Do not show a quantity if only 1.	
Const. guardrail conversion	Use when converting guardrail height up or down	
Const. guardrail terminal, flared - ?	Do not show a quantity if only 1.	
Test level - ? L=?'	Terminals do not require a height dimension in the note.	
Const. guardrail terminal, non-flared - ?	Do not show a quantity if only 1.	
Test level - ? L=?'	Terminals do not require a height dimension in the note.	
Const. guardrail to bridge transition - ?		
Const. 31" guardrail to bridge transition - ?		
(For details, see sht. 2B-?)		
(See drg. nos. RD400 & RD???)	See general information for RD400 series.	
Separate adjust and const. guardrail notes into two different note numbers.		

1 5	8	
See sht. ?, note ?		
Remove extg. guardrail		Use this note on the complete run plus what is only on
Const. guardrail		that sheet (see general information).
Const. guardrail to bridge rail		

NOTE EXAMPLES	REMARKS
GUARDRAIL AN	ID CONCRETE BARRIER
Sta. "L" 123+450 to Sta. "L" 123+45, Rt. Sta. "L" 123+450 to Sta. "L" 123+45, Lt. Remove extg. guardrail - ?' Const. conc. shldr. barrier - ?' Const. guardrail - ?' (Type 2A) Const. guardrail - ?' (Type 3) W=?', E=?' Const. barrier to guardrail connection - ? Const. guardrail terminal, flared - ? Test level - ? Const. guardrail terminal, non-flared - ? Test level - ? (See drg. no. RD530)	These notes are generally included in other notes. These are examples of both stand alone and inserted text format. W value is for guardrail only.
Н	IANDRAIL
Sta. "L" 123+45 to Sta. "L" 123+45 Const. pedestrian handrail (For details, see sht. 2B-?)	
IMPACT	ATTENUATOR
Const. impact attenuator (For details, see sht. 2B-?)	
	INLET
(See drai	inage note example)
	RAFFIC SEPARATOR
Const. Type "A" conc. island Const. Type "C" conc. island Const. Type "CA" conc. Island (Lowered island design) (Cut through design) (See drg. nos. RD705 & RD710) Const. Type "A" traffic separator Const. Type "B" traffic separator Const. Type "C" traffic separator (See drg. no. RD706)	Indicate "(Mountable)" or "(Non-Mountable)". Indicate "(Mountable)" or "(Non-Mountable)". Indicate "(Mountable)" or "(Non-Mountable)".
IRRIG	ATION DITCH
	tch note example)
· · · · · · · · · · · · · · · · · · ·	-

NOTE EXAMPLES	REMARKS
MAILE	ЗОХ
Inst. single mailbox support - ? Const. conc. collar (See drg. nos. RD100 & RD101)	These notes may be combined if all information is the same.
Inst. multiple mailbox support - ? Const. conc. collar - ? Const. mailbox service turnout - ?	
MAILBOX INS	TALLATION
Inst. single mailbox support - ? Inst. multiple mailbox support - ? Const. mailbox service turnout - ? (Location as directed)	* Note to be placed on sheet 3 of plans."Use a * when locations are not known"
(See drg. nos. RD100 & RD101)	
MANH	OLE
(See drainage n	otes example.)
PAVEMEN	
P.C. conc. pvmt. repair - ? sq. ft. (For details, see sht. 2B-?) Const. full depth conc. pvmt. repair, shown thus: (For details, see sht. 2B-?)	Show area pattern for item.
RAILR	ΟΔD
Const. R.R. crossing (By others) Const. shoofly (By others)	
RAND	MOOM
Const. random fill - ? cu. yd.	
REMO	
Remove curb	
Remove curb Remove sidewalk, shown thus: Remove curb & sidewalk, shown thus: Remove pvmt., shown thus: Remove building, shown thus:	Place hatching used for item. Place hatching used for item. Place hatching used for item. Place hatching used for item
Remove wall	Place symbol (These notes are used for removal not part of general excavation area)

NOTE EXAMPLES	REMARKS	
RETAINING WALL		
Structure no. 0000 Sta. "L" 123+45 to Sta. "L" 123+45, Rt. Const. retaining wall (For drg. nos., see sht. 1A)		
RIP	RAP	
Const. loose riprap (Class ?) - ? cu. yd.		
ROADSIDE D	EVELOPMENT	
(See RDSide)	V8_cache.dgn)	
RUMBLE	E STRIPS	
Sta. "L" 123+45 to Sta. "L" 123+45 Const. continuous rumble strips - ?' (For details, see shts. 2B-? & 2B-?)		
SEWE	R PIPE	
(Combination in	n drainage note.)	
SIDEV	VALK	
Const. P.C. conc. (Or asph. conc.) sidewalk Setback - ?' Sidewalk scoring (If needed) Const. sidewalk ramp (Option A-I) (For details, see sht. 2B-?) (See drg. no. RD725) Const. stairway (See drg. no. RD120)	Surface treatment if applicable. See general information for RD700 series.	
SIDEWA		
Const. (Type ?) sidewalk ramp (Option type) Const. (Type ?) sidewalk ramp (Modified) (For details, see sht. 2B-?) (See drg. nos. RD755 & RD760)	State type listed in standard drawings with enough detail to describe, may require label on plan view. Provide details as needed.	

NOTE EXAMPLES	REMARKS	
SIGN SUPPORT		
Const. sign support & footing (For drg. nos., see sht. 1A)		
Sta. "L" 123+45, Lt. or Rt. Remove cantilever Const. cantilever	See Bridge sheets or Traffic Control Plans.	
(For drg. nos., see sht. 1A)		
SIPHON & SII	PHON BOX	
Const. siphon box		
Inst. ?" siphon pipe - ?'		
?' depth (See drg. no. RD376)		
(See urg. 10. 10576)		
SNOW F	ENCE	
Const. snow fence Const. portable snow fence ?' depth (See drg. no. RD825)		
(See urg. no. KD625)		
SOUND	WALL	
Structure no. 0000 Sta. "L" 123+45 to Sta. "L" 123+45, Rt. Const. sound wall		
(For drg. nos., see sht. 1A)		
SUBSURFACE D	RAIN PIPE	
(Combine in a di	rainage note.)	
SUM		
Combine in a di		
(Comoine in a al	anage noie.)	
TELEPH	IONE	
Utility work generally not sho Work typically completed pr	own on construction plans. ior to construction of highway.	
TEMP. CON	NECTION	
Const. temp. connection Remove extg. temp. connection (For details, see typical sections)		

SIGNAL
Use this note to identify a signal installation, See the ODOT Signal Design and Drafting Manuals for further guidance preparing any signal plans.
ER
Normally by others.
See general information for RD200 series & RD300 series.
UALITY
Sheet included in the "G" series sheet set.
ITY SWALE
FACE DRAIN
NDS
Under "G" series sheets.