



**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 time that an item is shown on the plans include the standard drawing number(s) that go with it. 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**
- |   |               |
|---|---------------|
| <b>Remove extg. conc. median barrier - 412.5'</b> | (All sheets)  |
| <b>Const. conc. median barrier - 412.5'</b>       | (All sheets)  |
| <b>Const. terminal, flared</b>                    | (First sheet) |
| <b>(See drg. nos. RD500 &amp; RD510)</b>          |               |

**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**

- ② **See sht. 5A, note 9**
- |  |                        |
|--|------------------------|
| <b>Remove extg. conc. median barrier</b> | (All sheets)           |
| <b>Const. conc. median barrier</b>       | (All sheets)           |
| <b>Const. terminal, flared</b>           | (Second or last sheet) |
| <b>(See drg. no. RD510)</b>              |                        |





Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>BARRIER</b> ( <i>Cont'd.</i> )	
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 - ?	
<b>BEACON</b>	
Inst. 2-way flashing beacon (By others)	
<b>BIKEWAY</b>	
Const. bikeway	<i>Normally shown under typical sections with alignments.</i>
<b>BOLLARD</b>	
Inst. bollard - ? (For details, see sht. 2B-?)	
<b>BOX CULVERT</b>	
Const. ?" x ?" R.C.B.C. - ? (For drg. nos., see sht. 1A)	<i>Culvert 6' and greater dia. will have a structure number. 5' to 19' under "G" series sheets.</i>
<b>BRIDGE</b>	
Structure no. 00000 Const. structure - ? Rdwy. width ?' with ?' walk, Lt. and reinf. panel at bridge ends (For drg. nos., see sht. 1A)	<i>For new structure. Other construction items are covered by bridge sheets.</i>



## Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>BRIDGE</b> ( <i>Cont'd.</i> )	
Structure no. 00000 Sta. "L" 123+45 to Sta. "L" 123+45 Const. reinf. panel at bridge end - ? (For drg. nos., see sht. 1A)	<i>For existing structure. Show only that there are bridge drawings included.</i>
<b>BUS PAD</b>	
Sta. "L" 123+45 to Sta. "L" 123+45 , Lt. or Rt. Const. plain conc. undowelled pvmt. - ? sq. ft.	
<b>CATTLE GUARD</b>	
Const. cattle guard Const. painted cattle guard (See drg. nos. RD110 & BR175)	
<b>CATTLE PASS</b>	
Const. cattle pass (For details, see sht. 2B-?) (See drg. no. RD110)	
<b>CATV UTILITIES</b>	
Inst. TV cable (By others) Inst. TV cable riser (By others)	
<b>CHANNEL CHANGE</b>	
Const. channel change ?? bottom, 1:? slopes Gen. exc. - ? cu. yd. (For detais, see sheet. 2B-?)	<i>Or can be shown in earthwork bracket.</i>
<b>CONDUIT</b>	
Inst. ?? culv. pipe - ?? (Conduit) ?? depth	
<b>CONNECTION</b>	
Const. street connection	<i>Street connection stations not needed, if they are shown on the plans. Counted as road approach for quantities.</i>



Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>CULVERT PIPE</b>	
<p>Inst. ?" culv. pipe - ?'                      ?' depth                      Inst. ?" culv. pipe - ?' (Conduit)                      ?' depth                      Inst. safety ends section - ?</p>	<p><i>Culvert 6' and greater dia. will have a structure number. 5' to 19' under "G" series sheets.</i></p>
<b>CURB</b>	
<p>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. valley gutter                      Const. curb transition                      (For details, see sht. 2B-?)                      (See drg. no. RD700)</p>	<p><i>Do not show a length for runs of curb.                      Do not shows curb height in the note; show this on the typical sections.</i></p>
<b>DETOUR AND ONSITE DIVERSION</b>	
<p>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)</p>	<p><i>Specification refers to both detour and onsite diversions as detours.</i></p>
<b>DIKE</b>	
<p>Const. dike</p>	
<b>DITCH</b> (Or irrigation ditch)	
<p>Const. ditch                      ?' flat bottom, 1:? slopes                      "V" bottom, 1:? slopes                      Dt. exc. - ? cu. yd.                      (For details, see sht. 2B-?)</p>	



Appendix "F" - Note Composition

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



Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b><i>DRAINAGE</i></b> (Cont'd.)	
<p>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                      Const. longitudinal edge drain outlet to inlet                      Const. slope end                      Const. subgrade cutoff drain                      Const. paved end slope, Lt. &amp; 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.                      Tr. exc. - ? cu. yd.                      (For details, see sht. 2B-?)                      (See drg. nos. RD300, RD?)</p>	<p><i>Or san. sew. pipe as required.</i></p> <p><i>See general information for RD300 series.</i></p>
<b>MISCELLANEOUS DRAINAGE NOTES</b>	
<p>Adjust extg. inlet &amp; modify for open grade                      wearing surface drain - ?                      (See drg. no. RD314)</p>	
<p>Sta. "L" 123+45, Rt.                      ?" CMP (In pl.)                      Saw cut pipe end to match embankment slope                      Const. loose riprap (Class ?) - ? cu. yd.                      As directed</p>	
<p>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-?)</p>	





## Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>EROSION CONTROL</b> ( <i>Cont'd.</i> )	
Const. temp. drainage curb Const. tire wash facility (See drg. Nos. RD1000 & RD????)	<i>See general information for RD1000 series.</i>
<b>FENCE</b>	
Sta. "L" 123+45 to Sta. "L" 123+45, Lt. Const. type 2 fence Const. type 2 fence on barrier (See drg. nos. RD810, RD815 & RD820)  Const. temp. pedestrian fence Remove temp. pedestrian fence  Const. temp. orange plastic mesh delineation fence Remove temp. orange plastic mesh delineation fence	<i>Only show stationing if appropriate.</i>  <i>Contractor chooses.</i>  <i>Designer chooses.</i>
<b>FIRE HYDRANT</b>	
Sta. "L" 123+45, Lt. Inst. fire hydrant (By others) Relocate fire hydrant (By others)	<i>May require offset and grade data.</i>
<b>FRONTAGE ROAD</b>	
Const. frontage road	<i>Frontage road stations not needed if they are shown on the typical sections.</i>
<b>GATE</b>	
Sta. "L" 123+45, Lt. Inst. ?' gate Inst. ?' locked gate Inst. ?' gateway (See drg. nos. RD810 & RD820)	
<b>GEOTEXTILE</b>	
Drainage geotextile type "?" - ? sq. yd. Embankment geotextile - ? sq. yd. Riprap geotextile type "?" - ? sq. yd. Wall geotextile - ? sq. yd. Subgrade geotextile - ? sq. yd. Pavement overlay geotextile - ? sq. yd.	<i>Geotextile generally is included in other notes. These are examples of both stand alone and inserted text format.</i>



Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>GUARDRAIL</b>	
<p>Sta. "L" 123+45 to Sta. "L" 123+45, Lt.            Remove extg. metal median barrier - ?'            Remove extg. guardrail - ?'            Adjust extg. guardrail - ?' (As directed)            Const. cable guardrail system - ?'            Const. metal median barrier - ?'            Const. guardrail - ?' (Type 2A)            Const. guardrail - ?' Type 2A)            Const. guardrail - ?' (Type 3)                Extra for ?' guardrail posts - ?                Extra for steel guardrail posts - ?            Const. guardrail transition            Const. anchor - ? (Type 1)            Inst. end piece - ? (Type B)            Const. guardrail terminal, flared - ?                Test level - ?            Const. guardrail terminal, non-flared - ?                Test level - ?            Const. guardrail to bridge transition - ?            (For details, see sht. 2B-?)            (See drg. nos. RD400 &amp; RD???)</p>	<p><i>Show radius on plan sheet, where appropriate.</i></p> <p><i>Do not show a quantity if only 1.</i>  <i>Do not show a quantity if only 1.</i></p> <p><i>See general information for RD400 series.</i></p>
<p><i>Separate adjust and const. into two different note numbers.</i></p>	
<p>See sht. ?, note ?            Remove extg. guardrail            Const. guardrail            Const. guardrail to conc. bridge rail</p>	<p><i>Use this note on the complete run plus what is only on that sheet (see general information).</i></p>
<b>GUARDRAIL AND CONCRETE BARRIER</b>	
<p>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)</p>	<p><i>These notes are generally included in other notes. These are examples of both standard alone and inserted text format.</i></p> <p><i>W value is for guardrail only.</i></p>




Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>HANDRAIL</b>	
Sta. "L" 123+45 to Sta. "L" 123+45 Const. pedestrian rail (For details, see sht. 2B-?)	
<b>IMPACT ATTENUATOR</b>	
Const. impact attenuator (For details, see sht. 2B-?)	
<b>INLET</b> (See drainage notes example.)	
<b>ISLAND &amp; TRAFFIC SEPARATOR</b>	
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)".
<b>IRRIGATION DITCH</b> (See ditch note example.)	
<b>MAILBOX</b>	
Inst. single mailbox support - ? Const. conc. collar (See drg. nos. RD100 & RD101)  Inst. multiple mailbox support - ? Const. conc. collar - ? Const. mailbox service turnout - ?	These notes may be combined if all information is the same.
<b>MAILBOX INSTALLATION</b> * When locations are not known	
Inst. single mailbox support - ? Inst. multiple mailbox support - ? Const. mailbox service turnout - ? (Location as directed) (See drg. nos. RD100 & RD101)	*Note to be placed on sheet 3 of plans.



Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<p><b>MANHOLE</b> <span style="float: right;"><i>(See drainage notes example.)</i></span></p>	
<p><b>PAVEMENT REPAIR</b></p>	
<p>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-?)</p>	<p><i>Show area pattern for item.</i></p>
<p><b>RAILROAD</b></p>	
<p>Const. R.R. crossing (By others) Const. shoofly (By others)</p>	
<p><b>RANDOM</b></p>	
<p>Const. random fill - ? cu. yd.</p>	
<p><b>REMOVAL</b> <span style="float: right;"><i>(These notes are used for removal not part of general excavation area)</i></span></p>	
<p>Remove curb Remove sidewalk, shown thus: Remove curb &amp; sidewalk, shown thus: Remove pvmt., shown thus: Remove building, shown thus: Remove wall</p>	<p><i>Place hatching used for item.</i> <i>Place hatching used for item.</i> <i>Place hatching used for item.</i> <i>Place symbol</i> </p>
<p><b>RETAINING WALL</b></p>	
<p>Structure no. 0000 Sta. "L" 123+45 to Sta. "L" 123+45, Rt. Const. retaining wall (For drg. nos., see sht. 1A)</p>	
<p><b>RIPRAP</b></p>	
<p>Const. loose riprap (Class ?) - ? cu. yd.</p>	
<p><b>ROADSIDE DEVELOPMENT</b> <span style="float: right;"><i>(See Roadside Development Plans.)</i></span></p>	
<p><b>RUMBLE STRIPS</b></p>	
<p>Sta. "L" 123+45 to Sta. "L" 123+45 Const. continuous rumble strips - ? (For details, see shts. 2B-? &amp; 2B-?)</p>	



Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<p><b>SEWER PIPE</b> (Combination in drainage note.)</p>	
<p><b>SIDEWALK</b></p>	
<p>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)</p> <p>Const. stairway (See drg. No. RD120)</p>	<p>Surface treatment if applicable.</p> <p>See general information for RD700 series..</p>
<p><b>SIDEWALK RAMP</b></p>	
<p>Const. (Type ?) sidewalk ramp (Option type) Const. (Type ?) sidewalk ramp (Modified) (For details, see sht. 2B-?) (See drg. Nos. RD755 &amp; RD760)</p>	<p>State type listed in standard drawings with enough detail to describe, may require label on plan view. Provide details as needed.</p>
<p><b>SIGN SUPPORT</b></p>	
<p>Const. sign support &amp; footing (For drg. nos., see sht. 1A)</p> <p>Sta. "L" 123+45, Lt. or Rt. Remove cantilever Const. cantilever (For drg. nos., see sht. 1A)</p>	<p>See bridge sheets or Traffic Control Plans.</p>
<p><b>SIPHON &amp; SIPHON BOX</b></p>	
<p>Const. siphon box Inst. ?" siphon pipe - ?' ?' depth (See drg. no. RD376)</p>	
<p><b>SNOW FENCE</b></p>	
<p>Const. snow fence Const. portable snow fence ?' depth (See drg. no. RD825)</p>	





Appendix "F" - Note Composition

NOTES EXAMPLE	REMARKS
<b>WATER QUALITY SWALE</b>	
Const. bio-swale Exc. - ? cu. yd. (For details, see sht. 2B-?)	
<b>WEARING SURFACE DRAIN</b>	
Const. open grade HMAC wearing surface drain outlet (For details, see sht. 2B?) (See drg. no. RD314)	
<b>WETLANDS</b>	
Const. wetlands (For details, see shts. G?1, G?2, ...)	<i>Under "G" series sheets.</i>