



TABULAR NOTES GUIDE

JANUARY 2007

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INFORMATION ONLY

'CONC. BASE COURSE'
 With curb. . .joints ARE required
 W/O curb. . .joints are NOT required.
 If built in more than 1-longitudinal pour
 you must show the additional longitudinal
 joint and the Tie Bars on the 2-T Sheet.

Don't call out widening in the note.
 Yes, you may be widening the pavement, but
 the 'Pay Item' is Base Course.

Concrete Island Nose is integral and
 subsidiary with Concrete Pavement.

When Building Island Nose, for your information
 read Std. Spec. Book Section 608.

Name: CE01
 BUILD ASPHALTIC CONCRETE PAVEMENT

BUILD ASPHALTIC CONCRETE PAVEMENT		
STATION	TO	STATION
*		*

Name: CE02
 BUILD _" CONCRETE PAVEMENT

BUILD _" CONCRETE PAVEMENT, PLAN 329-R_			
STATION	TO	STATION	SIDE
*		*	*

Name: CE03
 BUILD _" CONCRETE BASE COURSE

BUILD _" CONCRETE BASE COURSE, PLAN 301-R_			
STATION	TO	STATION	SIDE
*		*	*

Name: CE04
 BUILD _" DOWELED CONCRETE PAVEMENT

BUILD _" DOWELED CONCRETE PAVEMENT, PLAN 329-R_			
STATION	TO	STATION	SIDE
*		*	*

Name: CE05
 BUILD CONCRETE PAVEMENT

BUILD CONCRETE PAVEMENT, PLAN 329-R_			
STATION	TO	STATION	SIDE
*		*	*

Name: CE06
 BUILD ASPHALTIC CONCRETE ISLAND NOSE

BUILD ASPHALTIC CONCRETE ISLAND NOSE (SEE SHEET 2-T)			
STATION	TO	STATION	LENGTH
*		*	*

Name: CE07
 BUILD CONCRETE ISLAND NOSE

BUILD CONCRETE ISLAND NOSE, PLAN 301-R_			
STATION	TO	STATION	LENGTH
*		*	*

Name: CE08
 BUILD ASPHALTIC CONCRETE MEDIAN SURFACING

BUILD ASPH. CONC. MEDIAN SURFACING (SEE SHEET 2-T)		
STATION	TO	STATION
*		*

INFORMATION ONLY

Excavation Subsidiary.
See Bridge Dept. for plan

Remove 'Ditch Liner' by Sq. Yds.
Build 'Ditch Lining' by Lin. Ft.

FOR PATCHING CONCRETE WITH CONCRETE:

1-note for each lane of traffic.

2-5 Sq. Yds. = Type "A"
6-15 Sq. Yds. = Type "B"
over 15 Sq. Yds. = Type "C"

NOTE: A removal note is not needed (Subsidiary).

FOR PATCHING CONCRETE WITH ASPHALT:
(NOT RECOMMENDED - CONTACT MATERIAL & RESEARCH)

1-note for each lane of traffic.

2-5 Sq. Yds. = Type "A"
6-15 Sq. Yds. = Type "B"
over 15 Sq. Yds. = Type "C"

FOR PATCHING ASPHALT WITH ASPHALT:
(TYPICALLY USED FOR AREAS THAT ARE 50' OR LESS)

Paid for as Equipment Rental.

When you have this situation, a note is NOT needed on the plans. However, the 2-S Sheet will have a quantity for 'Asphaltic Concrete (or Bituminous) for Patching.'

Name: CE09
BUILD CONCRETE MEDIAN SURFACING

BUILD CONCRETE MEDIAN SURFACING, PLAN 301-R.				
STATION	TO	STATION	SIDE	SQ. YDS.
*			*	*

Name: CE10
BUILD CONCRETE TERRACE STEPS

BUILD CONCRETE TERRACE STEPS, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	RISERS
*			*	*

Name: CE11
BUILD CONCRETE DITCH LINING

BUILD CONCRETE DITCH LINING (SEE SHEET --)				
STATION	TO	STATION	SIDE	WIDTH
*			*	*

Name: CE12
BUILD REINFORCED CONCRETE RETAINING WALL

BUILD REINF. CONC. RETAINING WALL, SPECIAL PLAN _C			
STATION	TO	STATION	SIDE
*			*

Name: CE13
BUILD MSE WALL

BUILD MSE WALL, SPECIAL PLAN _C			
STATION	TO	STATION	SIDE
*			*

Name: CE14
BUILD MODULAR BLOCK RETAINING WALL

BUILD MODULAR BLOCK RETAINING WALL, SPECIAL PLAN _C			
STATION	TO	STATION	SIDE
*			*

Name: CE15
BUILD CONCRETE PAVEMENT REPAIR

BUILD CONCRETE PAVEMENT REPAIR				
STATION	TO	STATION	SIDE	SQ. YDS.
*			*	*

Name: CE16
BUILD ASPHALT PATCHING OF CONCRETE PAVEMENT

BUILD ASPHALT PATCHING OF CONCRETE PAVEMENT				
STATION	TO	STATION	SIDE	SQ. YDS.
*			*	*

INFORMATION ONLY

The Bridge Approach Slabs may be part of the Bridge Plan, however you still need the Pavement Approach Slab note for each end of the bridge. Special Plan or Special Plan C to match Bridge Naming conventions.

See Bridge Dept. for plan.

When Asphaltic Concrete Bikeway is paid for by the ton, label note CE22 "For Information Only" and change "SQ. YDS." to "TONS".

BUILD ASPHALTIC CONCRETE BIKEWAY (FOR INFORMATION ONLY)				
STATION	TO	STATION	SIDE	TONS
*		*	*	*

There are 7-Types of Flume Special Plans that are approved. Types I, II, IV, V, VI, VII & VIII.

Type IV, V, VI, VII & VIII require 2-sheets. The second sheet is similar to an Area Inlet.

Although Type IV, V, VII & VIII show Elbows on the Special Plan they are not called for in the construction note. The Elbows should be shown in Comp's. and also on Cross Sections, if applicable.

(FLUME TYPE III HAS BEEN VOIDED)

FLUME TYPE	SPECIAL PLAN NUMBER
I	4341-1
II	4342-1
IV	4344-1
V	4345-1
VI	4346-1
VII	4347-1
VIII	4348-1

Name: CE17
BUILD PAVEMENT APPROACH SLAB

BUILD PAVEMENT APPROACH SLAB, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	WIDTH
*		*	*	*

Name: CE18
BUILD CONCRETE SIDEWALK

BUILD CONCRETE SIDEWALK, PLAN 301-R_				
STATION	TO	STATION	SIDE	SQ. YDS.
*		*	*	*

Name: CE19
BUILD CONCRETE BARRIER CURB

BUILD CONCRETE BARRIER CURB, PLAN 301-R_			
STATION	TO	STATION	LIN. FT.
*		*	*

Name: CE20
BUILD CONCRETE HEADER

BUILD CONCRETE HEADER, PLAN 301-R_			
STATION	TO	STATION	CU. YDS.
*		*	*

Name: CE21
BUILD REINFORCED CONCRETE STEPS

BUILD REINFORCED CONCRETE STEPS, SPECIAL PLAN _C				
STATION	SIDE	WALL	RISERS	HANDRAIL (LIN. FT.)
*	*	*	*	*

Name: CE22
BUILD ASPHALTIC CONCRETE BIKEWAY

BUILD ASPHALTIC CONCRETE BIKEWAY (SEE SHEET 2-T)				
STATION	TO	STATION	SIDE	SQ. YDS.
*		*	*	*

Name: CE23
BUILD CONCRETE BIKEWAY

BUILD CONCRETE BIKEWAY (SEE SHEET 2-T)				
STATION	TO	STATION	SIDE	SQ. YDS.
*		*	*	*

Name: CE24
BUILD CONCRETE FLUME

BUILD CONCRETE FLUME, SPECIAL PLAN _C			
STATION	SIDE	TYPE	"L"
*	*	*	*

INFORMATION ONLY

Note CE25 is to be used for URBAN Driveways only.

'LAY' Driveway Pipes & 'BUILD' Road/Crossroad Pipes.

Concrete, Asphalt & Gravel are all types of surfacing.

For Overlay Projects.

For Overlay Projects.

For Overlay Projects.

For Full Grading Projects or New Intersections.

Name: CE25
BUILD CONCRETE DRIVEWAY

BUILD CONCRETE DRIVEWAY, PLAN 301-R_		
STATION	SIDE	SO. YDS.
*	*	*

Name: CE26
LAY DRIVEWAY CULVERT PIPE

LAY DRIVEWAY CULVERT PIPE		
STATION	SIDE	DESCRIPTION
*	*	*

Name: CE27
BUILD EARTH DRIVE

BUILD EARTH DRIVE			
STATION	SIDE	WIDTH	% SLOPE
*	*	*	*

Name: CE28
BUILD EARTH DRIVE & SURFACE

BUILD EARTH DRIVE & SURFACE (SEE SHEET 2-S)			
STATION	SIDE	WIDTH	% SLOPE
*	*	*	*

Name: CE29
SURFACE DRIVEWAY

SURFACE DRIVEWAY (SEE SHEET 2-S)	
STATION	SIDE
*	*

Name: CE30
SURFACE 3-WAY INTERSECTION

SURFACE 3-WAY INTERSECTION (SEE SHEET 2-S)	
STATION	SIDE
*	*

Name: CE31
SURFACE 4-WAY INTERSECTION

SURFACE 4-WAY INTERSECTION (SEE SHEET 2-S)
STATION
*

Name: CE32
BUILD 3-WAY INTERSECTION

BUILD 3-WAY INTERSECTION (SEE SHEET 2-S)	
STATION	SIDE
*	*

INFORMATION ONLY

For Full Grading Projects or New Intersections.

Thickness needs to be shown on the 2-T Sheet.

Concrete Curb may be Type I or Type II.

Used at driveway locations. Stationing for Combination Concrete Curb & Gutter can continue through the driveway locations.

Subsidiary to "SIDEWALK CONSTRUCTION". Sq. Ft. Quantity included in Sidewalk note.

If you need a Special Sketch, Identify the location (Sta.) with an asterick and add a "Refer to Sketch on Sheet 2-N" note. Example:

BUILD CURB RAMP, SPECIAL PLAN _C		
STATION	SIDE	TYPE
123+45	Rt.	II
123+50	Lt.	II
*129+50	Rt.	II

* Refer to Sketch on Sheet 2-N

SURFACE COURSE:

*Paid by the Ton for Districts 1, 2 & 3.
Paid by Cu. Yds. for the other Districts.*

If it is intended for the contractor to spread the crushed rock or gravel, the designer must include a note with the Comp. File for a Special Provision to be written.

Name: CE33
BUILD 4-WAY INTERSECTION

BUILD 4-WAY INTERSECTION (SEE SHEET 2-S)	
STATION	
*	

Name: CE34
BUILD COMBINATION CONCRETE CURB & GUTTER

BUILD COMB. CONCRETE CURB & GUTTER, PLAN 301-R_					
STATION	TO	STATION	SIDE	WIDTH	LIN. FT.
*			*	*	*

Name: CE35
BUILD CONCRETE CURB, TYPE --

BUILD CONCRETE CURB, TYPE --, PLAN 301-R_			
STATION	TO	STATION	LIN. FT.
*			*

Name: CE36
BUILD CONCRETE MEDIAN CURB

BUILD CONCRETE MEDIAN CURB, PLAN 301-R_			
STATION	TO	STATION	LIN. FT.
*			*

Name: CE37
DROP CURB FOR DRIVEWAY

DROP CURB FOR DRIVEWAY, PLAN 301-R_		
STATION	TO	SIDE
*		*

Name: CE38
BUILD CURB RAMP

BUILD CURB RAMP, SPECIAL PLAN _C		
STATION	SIDE	TYPE
*	*	*

Name: CE39
BUILD ASPHALTIC CONCRETE CURB

BUILD ASPHALTIC CONCRETE CURB (SEE SHEET 2-T)			
STATION	TO	STATION	LIN. FT.
*			*

Name: CE40
BUILD CRUSHED ROCK SURFACE COURSE (TON)

BUILD CRUSHED ROCK SURFACE COURSE			
STATION	TO	STATION	TON
*			*

INFORMATION ONLY

SURFACE COURSE:
 Paid by the Ton for Districts 1, 2 & 3.
 Paid by Cu. Yds. for the other Districts.

If it is intended for the contractor to spread the crushed rock or gravel, the designer must include a note with the Comp. File for a Special Provision to be written.

Sheet 2-N is a General Information Sheet. Use for Survey Legend of Cells, Standard Notes, Sketches, Etc.

An Intercepting Dike parallels the roadway and an Earth Dike is transverse to a ditch.

For the Earth Dike sketch use the "edike" cell. For the Intercepting Dike sketch use the "dike" cell. Both cells are found in the mast.cel cell library.

Refer to Standard Detail 1920 5 E "Design of Intercepting Dike".

Refer to Plan 901-R_ for spacing and locations of chevrons and delineators.

Normally, Delineators & Chevrons will not be required on curves of less than 1°.

CE46 - If Chevrons are not required, just put a dash in the column.

CE47 May not be used if Chevrons are required.

Name: CE41
 BUILD CRUSHED ROCK SURFACE COURSE (CU.YDS.)

BUILD CRUSHED ROCK SURFACE COURSE				
STATION	TO	STATION	SIDE	CU. YDS.
*			*	*

Name: CE42
 BUILD GRAVEL SURFACE COURSE (TON)

BUILD GRAVEL SURFACE COURSE				
STATION	TO	STATION	SIDE	TON
*			*	*

Name: CE43
 BUILD GRAVEL SURFACE COURSE (CU. YDS.)

BUILD GRAVEL SURFACE COURSE				
STATION	TO	STATION	SIDE	CU. YDS.
*			*	*

Name: CE44
 BUILD EARTH DIKE

BUILD EARTH DIKE (SEE SKETCH ON SHEET 2-N)		
STATION	SIDE	ELEV.
*	*	*

Name: CE45
 BUILD INTERCEPTING DIKE

BUILD INTERCEPTING DIKE (SEE SKETCH ON SHEET 2-N)		
STATION	TO	STATION
*		*

Name: CE46
 BUILD HIGHWAY DELINEATORS

BUILD HIGHWAY DELINEATORS, PLAN 901-R_							
STATION	TO	STATION	SIDE	TYPE	"S"	EACH	CHEVRONS
*			*	*	*	*	*

Name: CE47
 BUILD FLEXIBLE DELINEATORS

BUILD FLEXIBLE DELINEATORS, SPECIAL PLAN _C							
STATION	TO	STATION	SIDE	TYPE	"S"	EACH	
*			*	*	*	*	*

Name: CE48
 BUILD PIER PROTECTION WALL

BUILD PIER PROTECTION WALL, SPECIAL PLAN _C			
STATION	TO	STATION	SIDE
*			*

INFORMATION ONLY

SAFETY BEAM GUARDRAIL SPECIAL PLANS

Plan	Plan Description
Spcl Plan 7040 1	Bridge Approach Section (Includes W-Thrie Beam Transition Section)
Spcl Plan 7041 1	Special Bridge Approach Section (Thrie-Beam Rail)
Design Guides 7774 6, 7775 6, 7776 6	Guardrail End Treatment, Type I (ET-2000, BEST or SKT-350)
Design Guides 7773 6, 7779 6, 7772 6	Guardrail End Treatment, Type II (SRT-350, FLEAT or SRT-75)
Spcl Plans 7071 1 or 7075 1	Bull Nose for Pier Protection
Spcl Plans 7071 1 or 7075 1	Bull Nose for between Bridges
Spcl Plan 7044 1 (3-Sheets)	Hardware Details (Includes W-Thrie Beam Transition Section)
Spcl Plan 7043 1	Guardrail Location Tables
Spcl Plan 7045 1 (2-Sheets)	End Anchorage Assemblies
Spcl Plan 7771 1	M.E.L.T. (Used by permission only) (Not normally used on State Highways)

When building Guardrail Station to Station, the length will not include the Terminal Anchorage Sections.

Include totals of all Guardrail items in one note for each bridge. If there is a Guardrail Installation Special Plan, you do not need (Table "*") in the construction note. Tables will be identified on Guardrail Installation Special Plan. In overpass situations, use 1-Guardrail note for the stationed centerline over the bridge and 1-Guardrail note for the stationed centerline that goes under the bridge to protect abutments or piers.

REMODEL BRIDGE CURB note should be addressed with the Bridge note.

If CONCRETE ANCHOR BLOCKS are required, they should be included with the guardrail note.

End Treatments for W-Beam Guardrail (Paid, 1-Each)

Guardrail End Treatment, Type I - Used for 65 mph and above for parallel installations or 25:1 Taper Rates. All rectangular heads on the ends of parallel or 25:1 tapers.

- ET-2000 (LET or PLUS) - Extruding Terminal
- BEST - Beam Eating Safety Terminal
- SKT 350 - Sequential Kinking Terminal

Guardrail End Treatment, Type II - Used for 65 mph and lower and on 15:1 Taper Rates.

- SRT 350 - Curved Slotted Rails
- FLEAT - Flared Energy Absorbing Terminal, a tangent (Rectangular Head, Tapered)
- SRT 75 - Three short Slots in the Rail

For more information refer to the Nebraska Department of Roads' "Guide to Guardrail Pay Items" document.

Name: CE49
BUILD SAFETY BEAM GUARDRAIL

BUILD SAFETY BEAM GUARDRAIL, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

Name: CE50
BUILD CABLE GUARDRAIL

BUILD CABLE GUARDRAIL, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

Name: CE51
RESET GUARDRAIL

RESET GUARDRAIL				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

Name: CE52
BUILD CHAIN LINK FENCE

BUILD CHAIN LINK FENCE, PLAN 710-R							
STATION	TO	STATION	LIN. FT.	HEIGHT	POSTS	CORNER	TAKE DOWN PANEL
*		*	*	*	*	*	*

Name: CE53
BUILD ROW FENCE

BUILD R.O.W. FENCE, PLAN 710-R							
STATION	TO	STATION	LIN. FT.	HEIGHT	POSTS	CORNER	VEHICLE GATE
*		*	*	*	*	*	*

Name: CE54
CLEAR TRACT

CLEAR TRACT			
STATION	TO	STATION	DESCRIPTION
*		*	*

Name: CE55
TREE TO BE SAVED

TREE TO BE SAVED	
STATION	SIDE
*	*

Name: CE56
ADJUST VALVE BOX TO GRADE

ADJUST VALVE BOX TO GRADE		
STATION	SIDE	EACH
*	*	*

INFORMATION ONLY

Standard Plan 710-R_ "Fence Details"
Special Plan 7140 1 "4-Strand Barbed Wire Fence"
Special Plan 7150 1 "5-Strand Barbed Wire Fence"

Name: CE57
 USE IN PLACE

USE IN PLACE		
STATION	SIDE	DESCRIPTION
*	*	*

Name: CE58
 DO NOT DISTURB

DO NOT DISTURB		
STATION	SIDE	DESCRIPTION
*	*	*

Name: CE59
 BUILD ROW FENCE

BUILD _-STRAND BARBED WIRE FENCE, SPECIAL PLAN _C								
STATION	TO	STATION	SIDE	LN. FT.	END	POSTS PULL	CORNER	GATE
*		*	*	*	*	*	*	*

Name: CE60
 BUILD CONCRETE MEDIAN BARRIER

BUILD CONCRETE MEDIAN BARRIER, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	LN. FT.
*		*	*	*

Name: CE61
 BUILD SPECIAL CONCRETE MEDIAN BARRIER

BUILD SPECIAL CONCRETE MEDIAN BARRIER, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	EACH
*		*	*	*

Name: CE62
 BUILD CONCRETE MEDIAN BARRIER
 TRANSITION SECTION

BUILD CONCRETE MEDIAN BARRIER TRANSITION SECTION, SPECIAL PLAN _C					
STATION	TO	STATION	SIDE	TYPE	EACH
*		*	*	*	*

Name: CE63
 BUILD MEDIAN INLET

BUILD MEDIAN INLET, SPECIAL PLAN _C		
STATION	SIDE	"X"
*	*	*

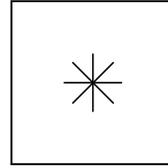
INFORMATION ONLY

These Symbols are used for identifying items described by Tabular Notes.

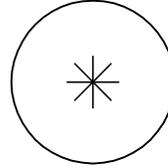
<i>Symbol</i>	<i>Used To Identify</i>
<i>Square</i>	<i>Manholes & Junction Boxes</i>
<i>Circle</i>	<i>Pipe</i>
<i>Diamond</i>	<i>Curb Inlets & Area Inlets</i>
<i>Hexagon</i>	<i>Median Structures</i>

DO NOT CHANGE OR REASSIGN SYMBOLS FOR THESE ITEMS!

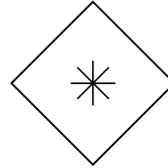
Name: DES01
SQUARE SYMBOL



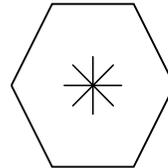
Name: DES02
CIRCLE SYMBOL



Name: DES03
DIAMOND SYMBOL



Name: DES04
HEXAGON SYMBOL



INFORMATION ONLY

Excavation is subsidiary for Sewers, Junction Boxes, Catch Basins, Inlets, Retaining Walls & Steps.

Keep Pipe notes separate From Junction Box notes, etc.

Junction Box may require Special Plan or Standard Plan.

*The Type of Cast Iron Cover will be specified as:
"A" (Storm Sewer)
or
"B" (Sanitary Sewer)*

*Telescopic Type: Frame & Flange, Type I
Non-Telescopic Type: Frame only, Type II Ring
Type III: Normally used outside of pavement.*

*TYPES OF MANHOLE: "A", "B" AND "C"
Types "A" & "B" are round
Type "C" is square*

Use Type of Manhole only if you want to eliminate the Contractor's option. (Usually Optional).

Pay quantity for new pipe extends to center of new pipe or Manhole, Inlet, etc.

Name: DE01
ADJUST MANHOLE TO GRADE

<input type="checkbox"/> ADJUST MANHOLE TO GRADE, PLAN 435-R_						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
*	*	*	*	*	*	*

Name: DE02
BUILD JUNCTION BOX (STD. PLAN)

<input type="checkbox"/> BUILD JUNCTION BOX, PLAN 443-R_				
NO.	STATION	SIDE	"X"	"Y x Y1"
*	*	*	*	*

Name: DE03
BUILD MANHOLE

<input type="checkbox"/> BUILD MANHOLE, PLAN 435-R_						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
*	*	*	*	*	*	*

Name: DE04
RECONSTRUCT EXISTING MANHOLE

<input type="checkbox"/> RECONSTRUCT EXISTING MANHOLE, PLAN 435-R_						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
*	*	*	*	*	*	*

Name: DE05
BUILD JUNCTION BOX (SPECIAL PLAN _C)

<input type="checkbox"/> BUILD JUNCTION BOX, SPECIAL PLAN _C				
NO.	STATION	SIDE	"X"	"Y x Y1"
*	*	*	*	*

Name: DE06
BUILD CORRUGATED METAL PIPE

BUILD CORRUGATED METAL PIPE			
STATION	SIDE	DESCRIPTION	EXC. (CUL. YDS)
*	*	*	*

Name: DE07
BUILD CULVERT PIPE

BUILD CULVERT PIPE			
STATION	SIDE	DESCRIPTION	EXC. (CUL. YDS)
*	*	*	*

Name: DE08
BUILD REINFORCED CONCRETE PIPE

BUILD REINFORCED CONCRETE PIPE			
STATION	SIDE	DESCRIPTION	EXC. (CUL. YDS)
*	*	*	*

INFORMATION ONLY

Name: DE09
BUILD CLAY SEWER PIPE

BUILD CLAY SEWER PIPE					
NO.	STATION	TO	STATION	SIDE	DESCRIPTION
*			*	*	*

Name: DE10
BUILD CORRUGATED METAL PIPE

BUILD CORRUGATED METAL PIPE				
NO.	STATION	SIDE	DESCRIPTION	EXC. (CU. YDS)
*	*	*	*	*

Name: DE11
BUILD CULVERT PIPE 1

BUILD CULVERT PIPE				
NO.	STATION	SIDE	DESCRIPTION	EXC. (CU. YDS)
*	*	*	*	*

Name: DE12
BUILD REINFORCED CONCRETE PIPE

BUILD REINFORCED CONCRETE PIPE				
NO.	STATION	SIDE	DESCRIPTION	EXC. (CU. YDS)
*	*	*	*	*

Name: DE13
BUILD REINFORCED CONCRETE SEWER PIPE

BUILD REINFORCED CONCRETE SEWER PIPE					
NO.	STATION	TO	STATION	SIDE	DESCRIPTION
*			*	*	*

Name: DE14
BUILD AREA INLET 1

BUILD AREA INLET, SPECIAL PLAN _C				
NO.	STATION	SIDE	"X"	"Y x Y1"
*	*	*	*	*

Name: DE15
BUILD CURB INLET

BUILD CURB INLET, PLAN 443-R_				
NO.	STATION	SIDE	"X"	"Y"
*	*	*	*	*

Name: DE16
BUILD AREA INLET 2

BUILD AREA INLET, SPECIAL PLAN _C				
NO.	STATION	SIDE	"X"	GRATE TYPE
*	*	*	*	*

Special Plan 4330 1 "Area Inlet with Bar"
Special Plan 4333 1 "Area Inlet with Grate"

INFORMATION ONLY

These are not tied to the Sewer System, therefore a symbol should not be used.

Use Note DE22 when Sandfill is NOT required.

Plug Sketch may be required on larger pipes. Plug is subsidiary to Culvert Sandfill.

Do not say 'Abandon'.

If a Sandfill Sketch is to be shown on the Drainage X-Sections, label subsidiary. You do not need to refer to the Sketch in the note.

If there is not enough room for the Sandfill Sketch on the Drainage X-Sections, the sketch may be placed on the 2-N Sheet, but the note will need to be modified to say "See Sketch on Sheet 2-N".

Name: DE17
BUILD MEDIAN STRUCTURE

BUILD MEDIAN STRUCTURE (GROUP 1)		
NO.	STATION	DESCRIPTION
*	*	*

Name: DE18
BUILD CONCRETE BOX CULVERT

BUILD CONCRETE BOX CULVERT, SPECIAL PLAN _C		
STATION	DESCRIPTION	EXC. (CU. YDS)
*	*	*

Name: DE19
EXTEND CORRUGATED METAL PIPE

EXTEND CORRUGATED METAL PIPE		
STATION	DESCRIPTION	EXC. (CU. YDS)
*	*	*

Name: DE20
EXTEND REINFORCED CONCRETE PIPE

EXTEND REINFORCED CONCRETE PIPE		
STATION	DESCRIPTION	EXC. (CU. YDS)
*	*	*

Name: DE21
EXTEND CONCRETE BOX CULVERT

EXTEND CONCRETE BOX CULVERT		
STATION	DESCRIPTION	EXC. (CU. YDS)
*	*	*

Name: DE22
PLUG ENDS & ABANDON PIPE

PLUG ENDS & ABANDON PIPE, PLAN 428-R_		
STATION	DESCRIPTION	
*	*	

Name: DE23
SANDFILL CULVERT

SANDFILL CULVERT			
STATION	SIDE	DESCRIPTION	CU. YDS.
*	*	*	*

INFORMATION ONLY

Pipe Underdrains shall be paid for by linear feet and Underdrain Headwalls shall be paid for by each.

Name: DE24
 BUILD 4" PERFORATED
 POLYETHYLENE UNDERDRAIN PIPE

BUILD 4" PERFORATED POLYETHYLENE UNDERDRAIN PIPE (SEE SKETCH ON SHEET 2-N)				
STATION	TO	STATION	SIDE	DESCRIPTION
*			*	*

Name: DE25
 BUILD 4" NON-PERFORATED
 POLYETHYLENE UNDERDRAIN PIPE

BUILD 4" NON-PERFORATED POLYETHYLENE UNDERDRAIN PIPE (SEE SKETCH ON SHEET 2-N)				
STATION	TO	STATION	SIDE	DESCRIPTION
*			*	*

Name: DE26
 BUILD 4" PIPE UNDERDRAIN

BUILD 4" PIPE UNDERDRAIN (SEE SKETCH ON SHEET 2-N)				
STATION	TO	STATION	SIDE	DESCRIPTION
*			*	*

Name: DE27
 BUILD UNDERDRAIN HEADWALL

BUILD UNDERDRAIN HEADWALL (SEE SKETCH ON SHEET 2-N)			
STATION	SIDE	DESCRIPTION	EACH
*	*	*	*

INFORMATION ONLY

Utility Companies can specify the culvert type required.

Designer should review Design Pipe Material Policy Flow Chart for Pipe Type and placement restrictions

NOTE:

Q*, D.A. and H.W. required on all CROSSROAD culvert construction notes.

Q = Design Discharge (cfs)
Subscript (*) indicates storm frequency used.

D.A. = Drainage Area in Acres.

H.W. = Depth of water above the inlet flow line at the entrance of a culvert.

If drainage information cannot be determined, the following note should be used:
Design Discharge (Q) and Drainage Area (D.A.) cannot be determined by office means unless otherwise noted on the plans.

Broken Back reference will NOT be made on new pipes.

B.B. - Broken Back

DBL B.B. - Double Broken Back

A bend on a concrete pipe can be either Vertical or Horizontal. However, DO NOT specify Horizontal or Vertical when calling for an elbow with a bend. It will show on the drainage cross sections.

If the Headwall Special Plan allows for the construction of different types of Headwalls, the type must be addressed in the note.

If Temporary Culvert Pipe is to be furnished by the State, use the term 'Install' rather than 'Build'. The Designer should check with the District when specifying type.

Pay quantity for new pipe extends to center of new pipe or Manhole, Inlet, etc.

Excavation is subsidiary for Sewers, Junction Boxes, Catch Basins, Inlets, Retaining Walls & Steps.

CULVERT PIPE LEGEND

CULVERT PIPE LEGEND		
TYPE	DESCRIPTION	
1	RCSP	Reinforced Concrete Sewer Pipe
2	RCP	Reinforced Concrete Pipe
3	GCCMP	Galvanized (zinc) Coated Corrugated Metal Pipe
4	ACCM	Aluminum Coated Corrugated Metal Pipe
5	PCCMP	Polymer Coated Corrugated Metal Pipe
6	HDPE-CI	High Density Polyethylene (corrugated Interior)
7	HDPE-SI	High Density Polyethylene (smooth Interior)
8	PVC	Polyvinyl Chloride Pipe

CPL
STD.CEL

The Culvert Pipe Legend (CPL) is found in the STD.CEL cell library

Name: DPPE01
BUILD SANITARY SEWER PIPE

BUILD SANITARY SEWER PIPE		
NO.	SIZE	DESCRIPTION
*	*	Type *, Fill = ...

Name: DPPE02
BUILD STORM SEWER PIPE

BUILD STORM SEWER PIPE		
NO.	SIZE	DESCRIPTION
*	*	Type 1, 7 or 8, Special Plan ...C, Fill = ...

Name: DPPE03
BUILD CULVERT PIPE 2

BUILD CULVERT PIPE			
NO.	STATION	DESCRIPTION	EXC. (CU. YDS.)
*	*	---' x ---', Type 2, 3, 4, 5, 7 or 8, Special Plans ...C, Fill = ...	*

Name: DPPE04
BUILD CULVERT PIPE 3

BUILD CULVERT PIPE			
STATION	DESCRIPTION		EXC. (CU. YDS.)
*	---' x ---', Type 2, 3, 4, 5, 7 or 8, Special Plans ...C, Fill = ...		*

NEW PIPE POLICY INFORMATION:

* Use "Pipe Policy Notes" ON ALL PIPES whenever the Pipe Policy applies to ONE OR MORE pipes on the project.

EARTHWORK QUANTITIES TABULAR NOTES

NOTE: Show the Temporary Road Embankment Quantities with the Earthwork note. Place Tabular Earthwork Note headings on Sheet 3 or Sheet 2-N of the plan set.

Name: ME01
EARTHWORK QUANTITIES 1

EARTHWORK QUANTITIES				
STATION TO STATION	EXCAVATION (CU. YDS.)	EMBANKMENT (CU. YDS.)	BALANCE FACTOR	(+) LONG (-) SHORT
* - *	*	*	*	*
* - *	*	*	*	*
TOTAL	*	*	*	*

Name: ME02
EARTHWORK QUANTITIES 2

EARTHWORK QUANTITIES		
STATION TO STATION	EXCAVATION AVAILABLE (CU. YDS.)	EARTHWORK MEASURED IN EMBANKMENT (CU. YDS.)
* - *	*	*
* - *	*	*
TOTAL	*	*

Name: ME03
EARTHWORK QUANTITIES 3

EARTHWORK				
STATION TO STATION	EXCAVATION ESTABLISHED QUANTITY (CU. YDS.)	EMBANKMENT (CU. YDS.)	BALANCE FACTOR	EXCESS EXCAVATION (CU. YDS.)
* - *	*	*	*	*
* - *	*	*	*	*
TOTAL	*	*	*	*

The Contractor may use the Excess Excavation for Shoulder Construction and/or Other Embankment.

Name: ME04
EARTHWORK QUANTITIES 4

EARTHWORK				
STATION TO STATION	EXCAVATION (CU. YDS.)	EMBANKMENT (CU. YDS.)	BALANCE FACTOR	EXCESS EXCAVATION (CU. YDS.)
* - *	*	*	*	*
* - *	*	*	*	*
TOTAL	*	*	*	*

The Contractor may use the Excess Excavation for Shoulder Construction and/or Other Embankment.

Name: ME05
EARTHWORK QUANTITIES 5

EARTHWORK QUANTITIES FOR TEMPORARY ROAD REMOVAL	
STATION TO STATION	EXCAVATION ESTABLISHED QUANTITIES (CU. YDS.)
* - *	*
* - *	*
TOTAL	*

Name: ME06
EARTHWORK QUANTITIES 6

EARTHWORK				
STATION TO STATION	EXCAVATION (CU. YDS.)	EMBANKMENT (CU. YDS.)	BALANCE FACTOR	EXCAVATION BORROW (CU. YDS.)
* - *	*	*	*	*
* - *	*	*	*	*
TOTAL	*	*	*	*

INFORMATION ONLY

Note ME06:
Note what Type of Rock Riprap. Refer to the Chart below & to the English Specifications Book.

ROCK RIPRAP GRADATION REQUIREMENTS			
Size of Rock	Percent of Total Weight Smaller than the Given Size	Standard Item Number	Standard Reference Number
Type A 150 lb. 35 lb. 2 lb.	100 50 Not to exceed 10	6105.01	00914
Type B 300 lb. 80 lb. 5 lb.	100 50 Not to exceed 10	6105.02	00914
Type C 700 lb. 150 lb. 10 lb.	100 50 Not to exceed 10	6105.03	00914

Broken Concrete Riprap does not have a type.
Note ME07: Normally used longitudinally along roadway, NOT at pipe ends.

Name: ME07
BUILD ROCK RIPRAP

BUILD ROCK RIPRAP (SEE SKETCH ON SHEET 2-N)			
STATION	SIDE	TYPE	TONS
*	*	*	*

Name: ME08
BUILD BROKEN CONCRETE RIPRAP

BUILD BROKEN CONCRETE RIPRAP (SEE SKETCH ON SHEET 2-N)			
STATION TO STATION	SIDE	TONS	
*	*	*	

Name: ME09
BUILD INTERLOCKING CONCRETE PAVER BLOCKS

* BUILD INTERLOCKING CONCRETE PAVER BLOCKS (SEE SHEET ---)			
STATION TO STATION	SIDE	SQ. FT.	
*	*	*	

* TO BE USED AS DITCH LINER

RC=AREAPAT
AP=HONEY
PS= .15

RC = AREAPAT
AP = HONEY
PS = .15

INFORMATION ONLY

*Note ME09:
Normally placed above or beside the Engineer's Seal at the lower right corner of the 2-L sheet.*

*Note ME11:
Only use if a 2-H Data Sheet is not available.*

*Special Ditch Tabular Notes (ME13 & ME14):
Use to alleviate clutter in the Profile area of Plan & Profile Sheets.*

Can also be used on 2-N Sheet for overlay projects - where you might not have a profile shown.

Generally Silt Fence only needs to be shown on the plans when protecting Wetlands, a Golf Course, Park Grounds or if located in an Urban area.

Unique situations, as determined by the NDOR Agronomist, may dictate that the Silt fence be shown on the plans.

Standard Plan 502 "Silt Fence Details"

Name: ME10
SODDING

	SODDING	SQ. YDS.
SEEDING, TYPE "B"		ACRES

RC = AREAPAT
AP = GRASS
PS = .12

RC = AREAPAT
AP = GRASS
PS = .12

Name: ME11
BENCH MARKS

BENCH MARKS				
NO.	X	Y	Z	DESCRIPTION
*	*	*	*	*

Name: ME12
RELOCATE WATER VALVE & BOX

RELOCATE WATER VALVE & BOX		
STATION	SIDE	EACH
*	*	*

Name: ME13
SPECIAL DITCH RIGHT

SPECIAL DITCH RIGHT					
NO.	STATION	ELEV.	STATION	ELEV.	SLOPE
*	*	*	*	*	*%

Name: ME14
SPECIAL DITCH LEFT

SPECIAL DITCH LEFT					
NO.	STATION	ELEV.	STATION	ELEV.	SLOPE
*	*	*	*	*	*%

Name: ME15
BUILD FABRIC SILT FENCE-LOW POROSITY

--x-- BUILD FABRIC SILT FENCE-LOW POROSITY, PLAN 502				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

Name: ME16
BUILD FABRIC SILT FENCE-HIGH POROSITY

--xx-- BUILD FABRIC SILT FENCE-HIGH POROSITY, PLAN 502				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

Name: ME17
BUILD FABRIC SILT FENCE-
LOW PROFILE HIGH POROSITY

-xxx- BUILD FABRIC SILT FENCE-LOW PROFILE HIGH POROSITY, PLAN 502				
STATION	TO	STATION	SIDE	DESCRIPTION
*		*	*	*

INFORMATION ONLY

Standard Plan 502 "Silt Fence Details"

Coir Fabric is biodegradable and is typically used for Wetlands protection.

Special Plan 5108 1 "Temporary Silt Checks"

EROSION CONTROL INFORMATION		
EROSION CONTROL PAY ITEM	DESCRIPTION	WHERE USED
Temporary Erosion Control	Straw or Excelsior Blanket	Phased Construction
Erosion Control, Class 2A	Synthetic Material Blanket	Final Erosion Control (Slope Only)
Erosion Control, Class 2B	Synthetic Material Blanket	Final Erosion Control
Erosion Control, Class 2C	Synthetic Material Blanket	Culvert Discharge Areas
Erosion Control, Class 1B	Straw or Excelsior Blanket	Protect Shoulders
Erosion Control, Type B-1	Coconut Netting	Protect Shoulders
Erosion Control, Type B-2	Coconut Netting	Protect Shoulders
Erosion Control, Class 1F	Coconut Blanket	Final Erosion Control
Erosion Control, Class 1D	High Velocity Straw or Excelsior	Final Erosion Control
Erosion Control, Class 1E	Coconut/Coir Fiber	Final Erosion Control
Slope Protection Netting, Class 1A	Synthetic Netting	Over Mulch In Sand
Erosion Checks	Bales of Hay/Straw	Ditches
Erosion Checks, Class 2A	Bales of Hay/Straw With A Particular Erosion Control Fabric	Ditches
Erosion Checks, Class 2B		
Erosion Checks, Class 2C		
Erosion Checks, Class 1B		
Erosion Checks, Class 1F		
Erosion Checks, Class 1D	Bales of Hay/Straw With A Particular Erosion Control Fabric With Silt Traps (ST)	Ditches
Erosion Checks, Class 1E		
Erosion Checks, Type ST		
Erosion Checks, Type ST-2A		
Erosion Checks, Type ST-2B		
Erosion Checks, Type ST-2C	Filtration Material To Stop Silt	During Construction
Erosion Checks, Type ST-1B		
Erosion Checks, Type ST-1F		
Erosion Checks, Type ST-1D		
Erosion Checks, Type ST-1E		
Fabric Silt Fence - Low Porosity	Filtration Material To Stop Silt	During Construction
Fabric Silt Fence - High Porosity		
Fabric Silt Fence - Low Profile Low Porosity		
Fabric Silt Fence - Low Profile High Porosity	Filtration Material To Stop Silt With Silt Traps (ST)	During Construction
Fabric Silt Fence - Low Porosity, Type ST		
Fabric Silt Fence - High Porosity, Type ST	Biodegradable Coconut Fabric Silt Fence	Wetland Protection During Construction
Fabric Silt Fence, Type COIR Fiber		
Fabric Silt Check	Speed Bumps For Water	Ditches
Soil Grid (Cellular) Confinement	Heavy Duty Ditch Protection	Ditches
Articulated Concrete	Heavy Duty Ditch Protection	Ditches
Area Inlet Sediment Filter	Keeps Silt Out Of Area Inlet	Gate Inlets
Inlet Liner	Silt Protection For An Inlet	Inlet Protection

ABBREVIATIONS:
 HV = High Velocity
 ST = Silt Trap

Standard Plan 502 "Silt Fence Details"

Special Plan 5100 1 "Erosion Checks (All Types) and Fabric Silt Checks"

TYPES OF EROSION CHECKS:
 1A, 1B, 1C, 1D, 1E, 1F, 2A, 2B, 2C, ST-1A, ST-1B, ST-1C, ST-1D, ST-1E, ST-1F, ST-2A, ST-2B, ST-2C.

Name: ME18
 BUILD FABRIC SILT FENCE-
 LOW PROFILE LOW POROSITY

--- COIR --- BUILD FABRIC SILT FENCE-LOW PROFILE LOW POROSITY, PLAN 502				
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.
*	*	*	*	*

Name: ME19
 BUILD FABRIC SILT FENCE, TYPE COIR FIBER

--- COIR --- BUILD FABRIC SILT FENCE, TYPE "COIR FIBER", PLAN 502				
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.
*	*	*	*	*

Name: ME20
 BUILD FABRIC SILT FENCE HIGH
 POROSITY, TYPE ST

--- ST --- BUILD FABRIC SILT FENCE-HIGH POROSITY, TYPE "ST", PLAN 502				
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.
*	*	*	*	*

Name: ME21
 BUILD FABRIC SILT FENCE LOW
 POROSITY, TYPE ST

--- ST --- BUILD FABRIC SILT FENCE-LOW POROSITY, TYPE "ST", PLAN 502				
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.
*	*	*	*	*

Name: ME22
 BUILD FABRIC SILT FENCE-LOW
 PROFILE, TYPE "COIR FIBER"

--- COIR --- BUILD FABRIC SILT FENCE-LOW PROFILE, TYPE "COIR FIBER", PLAN 502				
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.
*	*	*	*	*

Name: ME23
 BUILD FABRIC SILT CHECKS

--- ST --- BUILD FABRIC SILT CHECKS, PLAN 502					
STATION	TO STATION	SIDE	DESCRIPTION	LIN. FT.	
*	*	*	*	*	*

Name: ME24
 BUILD TEMPORARY SILT CHECKS

--- ST --- BUILD TEMPORARY SILT CHECKS, SPECIAL PLAN _C						
STATION	TO STATION	SIDE	SPACING	LIN. FT. EACH	TOTAL LIN. FT.	
*	*	*	*	*	*	*

Name: ME25
 BUILD EROSION CHECKS-TYPE --

--- ST --- BUILD EROSION CHECKS-TYPE --, SPECIAL PLAN _C				
STATION	TO STATION	SIDE	DESCRIPTION	BALES EACH
*	*	*	*	*

INFORMATION ONLY

Standard Plan 501-R_ Erosion Control:
1A, 1B, 1C, 1D, 1E, 1F, 2A, 2B,
2C.

Standard Plan 501-R_ "Slope Protection Netting"

Erosion Control Identification Cells:

EC01 = 
EC02 = 

The text can be modified by going into
Workspace/Preferences/Text and
changing the text editor style to
Word Processor. When finished
editing text, change the text editor
style back to Dialogue Box.

All Erosion Control Hatching and shapes
used for erosion control will be a weight
of 1 and placed on an erosion control
level for each sheet.

For additional erosion control information,
refer to K:\procedures\erosion control

Name: ME26
BUILD EROSION CONTROL-CLASS --

BUILD EROSION CONTROL-CLASS --, SPECIAL PLAN _C						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME27
BUILD SLOPE PROTECTION NETTING
CLASS 1A

AA = 45° & 135°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

BUILD SLOPE PROTECTION NETTING-CLASS 1A, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME28
BUILD EROSION CONTROL
CLASS 1B

AA = 45° & 135°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

BUILD EROSION CONTROL-CLASS 1B, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME29
BUILD EROSION CONTROL BLANKET
CLASS 1C

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

BUILD EROSION CONTROL BLANKET-CLASS 1C, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME30
BUILD EROSION CONTROL
CLASS 1D

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

BUILD EROSION CONTROL-CLASS 1D, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME31
BUILD EROSION CONTROL
CLASS 1E

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
3.25 (50 SCALE)
2.5 (20 SCALE)

BUILD EROSION CONTROL-CLASS 1E, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME32
BUILD EROSION CONTROL
CLASS 1F

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
3.25 (50 SCALE)
2.5 (20 SCALE)

BUILD EROSION CONTROL-CLASS 1F, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME33
BUILD EROSION CONTROL
CLASS 2A

PATTERN CELL NAME = ANS137
SCALE AT (50 SCALE):
SCALE = .100
ROW SPACING = .100
COLUMN SPACING = .100
ANGLE = 0°

BUILD EROSION CONTROL-CLASS 2A, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

INFORMATION ONLY

Standard Plan 501-R_ Erosion Control:
1A, 1B, 1C, 1D, 1E, 1F, 2A, 2B,
2C.

Erosion Control Identification Cells:

EC01 = **A**
EC02 = **1A**

The text can be modified by going into
Workspace/Preferences/Text and
changing the text editor style to
Word Processor. When finished
editing text, change the text editor
style back to Dialogue Box.

All Erosion Control Hatching and shapes
used for erosion control will be a weight
of 1 and placed on an erosion control
level for each sheet.

For additional erosion control information,
refer to K:\procedures\erosion control

Special Plan not required.
Plan is to be furnished by Manufacturer.

The standard size for this material is 8' x 20'.
The material is available in 4", 6" & 8" depths.

TEMPORARY:
To be removed under the same contract.

Mfg. Detail furnished by Contractor.

Standard Detail 5480 5 "Inlet Liner Details"

Name: ME34
BUILD EROSION CONTROL
CLASS 2B

PATTERN CELL NAME = ANS137
SCALE AT (50 SCALE):
SCALE = .100
ROW SPACING = .100
COLUMN SPACING = .100
ANGLE = 0°

BUILD EROSION CONTROL-CLASS 2B, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME35
BUILD EROSION CONTROL
CLASS 2C

TEXT ONLY

BUILD EROSION CONTROL-CLASS 2C, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME36
BUILD CELLULAR CONFINEMENT
SPECIAL PLAN_C

PATTERN CELL NAME = HONEYCOMB
SCALE AT (50 SCALE):
SCALE = .125
ROW SPACING = .125
COLUMN SPACING = .125
ANGLE = 0°

BUILD CELLULAR CONFINEMENT, SPECIAL PLAN _C						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME37
BUILD ARTICULATED CONCRETE
SPECIAL PLAN_C

PATTERN CELL NAME = HONEYCOMB
SCALE AT (50 SCALE):
SCALE = .125
ROW SPACING = .125
COLUMN SPACING = .125
ANGLE = 0°

BUILD ARTICULATED CONCRETE, SPECIAL PLAN _C						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME38
BUILD EROSION CONTROL SOIL
GRID CONFINEMENT SYSTEM

BUILD EROSION CONTROL SOIL GRID CONFINEMENT SYSTEM, SPECIAL PLAN _C						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME39
BUILD TEMPORARY EROSION CONTROL, TYPE __

BUILD TEMPORARY EROSION CONTROL, TYPE __, PLAN 501-R_						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SO. YDS.
*		*	*	*	*	*

Name: ME40
BUILD AREA INLET SEDIMENT FILTER

BUILD AREA INLET SEDIMENT FILTER			
STATION	SIDE	DESCRIPTION	EACH
*	*	*	*

Name: ME41
BUILD INLET LINER

BUILD INLET LINER (SEE SHEET 2-N)			
STATION	SIDE	DESCRIPTION	EACH
*	*	*	*

INFORMATION ONLY

Name: ME42

BUILD CURB INLET SEDIMENT FILTER(S)

BUILD CURB INLET SEDIMENT FILTER			
STATION	SIDE	DESCRIPTION	EACH
*	*	*	*

NOTE: ALL CURB INLET SEDIMENT FILTER(S) SHALL BE REMOVED BEFORE THE ROAD IS OPEN TO TRAFFIC.

Empty rectangular box for notes or additional information.

INFORMATION ONLY

This applies to Existing Asphalt. If asphalt surface is to be removed by 'Milling' it will be addressed in the Special Provisions. In this case a note on the Plans is NOT required.

Asphalt Median surfacing is removed as 'ASPHALT SURFACE'.

On a rural project, you do not need a note if all of the roadway is being removed, nor do you need to cross hatch the roadway. But, if the roadway is being partially removed, or various segments are being removed, you should have a note and the area should show removal cross hatching.

'PAVEMENT' includes Concrete, Asphalt & Brick. (Integral Curb can also be removed with the Roadway Pavement)

If 'BRICK SURFACE' is to be removed, a Special Provision is required.

Do NOT show the thickness of the pavement to be removed on the plans.

For removing Concrete or Asphalt driveway, do NOT specify the type of material to be removed.

EXAMPLE:

REMOVE EXISTING PIPE CULVERT					
STATION	TO	STATION	SIDE	DESCRIPTION	EXC. (CU. YDS.)
123+45	-	124+35	RT.	54" x 90' REINFORCED CONCRETE PIPE W/HDWL. ON INLET & F.E.S. ON OUTLET. <i>Remove.</i>	*

Name: RE01
REMOVE ASPHALT SURFACE

REMOVE ASPHALT SURFACE				
STATION	TO	STATION	SIDE	SO. YDS.
*		*	*	*

AA = 135°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

Name: RE02
REMOVE PAVEMENT

REMOVE PAVEMENT				
STATION	TO	STATION	SIDE	SO. YDS.
*		*	*	*

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
2.5 (20 SCALE)

Name: RE03
REMOVE CONCRETE MEDIAN SURFACING

REMOVE CONCRETE MEDIAN SURFACING				
STATION	TO	STATION	SIDE	SO. YDS.
*		*	*	*

AA = 135°
HATCH SPACING:
6.5 (100 SCALE)
3.125 (50 SCALE)
1.3 (20 SCALE)

Name: RE04
REMOVE DRIVEWAY

REMOVE DRIVEWAY				
STATION	TO	STATION	SIDE	SO. YDS.
*		*	*	*

AA = 45°
HATCH SPACING:
6.5 (100 SCALE)
3.125 (50 SCALE)
1.3 (20 SCALE)

Name: RE05
REMOVE WALK

REMOVE WALK				
STATION	TO	STATION	SIDE	SO. YDS.
*		*	*	*

AA = 45°
HATCH SPACING:
3.25 (100 SCALE)
1.56 (50 SCALE)
0.65 (20 SCALE)

Name: RE06
REMOVE DRIVEWAY CULVERT PIPE

REMOVE DRIVEWAY CULVERT PIPE				
STATION	SIDE	DESCRIPTION		
*	*	*		

Name: RE07
REMOVE EXISTING PIPE CULVERT

REMOVE EXISTING PIPE CULVERT					
STATION	TO	STATION	SIDE	DESCRIPTION	EXC. (CU. YDS.)
*		*	*	*	*

Name: RE08
REMOVE EXISTING SEWER PIPE

REMOVE EXISTING SEWER PIPE			
STATION	TO	STATION	SIZE
*		*	*

INFORMATION ONLY

EXAMPLE:

REMOVE EXISTING STRUCTURE		
STATION	SIDE	DESCRIPTION
123+45	91' LT.	12' X 6' X 129.0' CONC. BOX CULV.

Discharge Structure is removed as 1-each.

Note RE12 can be used to remove Approach Slab Drains that will include the Inlet and Outlet Pipe. The Crossroad Pipe needs to be removed separately.

Concrete Flumes or Asphalt Flumes are removed as 1-each.

If removing curb only, and the curb is integral with pavement, show Curb Removal Sketch on sheet 2-T.

If removing pavement with integral curb, a curb removal note is not required.

See Standard Detail 1380 5 in the Standard Plan Book for Curb Removal Detail examples.

If the curb is not integral w/pavement a removal sketch is NOT required.

Name: RE09
REMOVE EXISTING SLAB 1 (EACH)

REMOVE EXISTING SLAB				
STATION	TO	STATION	SIDE	EACH
*		*	*	*

Name: RE10
REMOVE EXISTING SLAB 2 (SQ. YDS.)

REMOVE EXISTING SLAB		
STATION	SIDE	SQ. YDS.
*	*	*

Name: RE11
REMOVE EXISTING STRUCTURE
(USED FOR BOX CULVERT REMOVAL)

REMOVE EXISTING STRUCTURE		
STATION	SIDE	DESCRIPTION
*	*	*

Name: RE12
REMOVE DISCHARGE STRUCTURE

REMOVE DISCHARGE STRUCTURE		
STATION	SIDE	EACH
*	*	*

Name: RE13
REMOVE CONCRETE FLUME

REMOVE CONCRETE FLUME		
STATION	SIDE	EACH
*	*	*

Name: RE14
REMOVE ASPHALT FLUME

REMOVE ASPHALT FLUME		
STATION	SIDE	EACH
*	*	*

Name: RE15
REMOVE CURB 1
(WITH "SEE SKETCH ON SHEET 2-T NOTE)

REMOVE CURB (SEE SKETCH ON SHEET 2-T)				
STATION	TO	STATION	SIDE	LIN. FT.
*		*	*	*

Name: RE16
REMOVE CURB 2
(WITHOUT "SEE SKETCH ON SHEET 2-T NOTE)

REMOVE CURB				
STATION	TO	STATION	SIDE	LIN. FT.
*		*	*	*

INFORMATION ONLY

Name: RE17
REMOVE COMBINATION CURB AND GUTTER

REMOVE COMBINATION CURB & GUTTER				
STATION	TO	STATION	SIDE	LIN. FT.
*			*	*

Name: RE18
REMOVE MANHOLE

REMOVE MANHOLE		
STATION	SIDE	EACH
*	*	*

Name: RE19
REMOVE GUTTER

REMOVE GUTTER				
STATION	TO	STATION	SIDE	SO. YDS.
*			*	*

Name: RE20
REMOVE INLET

REMOVE INLET		
STATION	SIDE	EACH
*	*	*

Name: RE21
REMOVE FENCE

REMOVE FENCE				
STATION	TO	STATION	SIDE	LIN. FT.
*			*	*

The Existing Topography should indicate the type of Fence by Text or Symbology (such as Wood, Chain Link or Ornamental) IF it requires a special removal note.

Name: RE22
REMOVE AND RESET FENCE

REMOVE & RESET FENCE				
STATION	TO	STATION	SIDE	LIN. FT.
*			*	*

Name: RE23
REMOVE GUARD POSTS

REMOVE GUARD POSTS		
STATION	SIDE	EACH
*	*	*

Define the number of Guard Posts to be removed.

Name: RE24
REMOVE RETAINING WALL 1 (EACH)

REMOVE RETAINING WALL				
STATION	TO	STATION	SIDE	EACH
*			*	*

Paid for as 1-Each when removing the entire wall.

INFORMATION ONLY

Paid for as Lin. Ft. when partially removing the wall.

Name: RE25
REMOVE RETAINING WALL 2 (LIN. FT.)

REMOVE RETAINING WALL			
STATION	TO	STATION	LIN. FT.
*			*

Name: RE26
REMOVE EXISTING BUILDING

REMOVE EXISTING BUILDING		
STATION	SIDE	EACH
*	*	*

Name: RE27
REMOVE STEPS

REMOVE STEPS		
STATION	SIDE	EACH
*	*	*

Name: RE28
REMOVE EXISTING LIGHT POLE

REMOVE EXISTING LIGHT POLE		
STATION	SIDE	EACH
*	*	*

Name: RE29
REMOVE TRAFFIC SIGNAL

REMOVE TRAFFIC SIGNAL		
STATION	SIDE	EACH
*	*	*

Name: RE30
REMOVE SIGNAL POLE BASE

REMOVE SIGNAL POLE BASE		
STATION	SIDE	EACH
*	*	*

Name: RE31
REMOVE SIGN, STRUCTURE AND FOUNDATION

REMOVE SIGN, STRUCTURE AND FOUNDATION			
STATION	TO	STATION	EACH
*			*

Name: RE32
REMOVE JUNCTION BOX

REMOVE JUNCTION BOX		
STATION	SIDE	EACH
*	*	*

INFORMATION ONLY

Remove Ditch 'LINER' by Sq. Yds.
Build Ditch 'LINING' by Lin. Ft.

REMOVE GUARDRAIL NOTES:

Use "Station" (Note RE37) when a structure is present. (Use the midpoint station of the structure)

Use "Station to Station" (Note RE38) when a structure is not present, when removing a partial length, or when removing guardrail at one corner of a bridge.

If you are going to 'Salvage' Guardrail, do so for the entire installation, not just part of the installation.

Name: RE33
REMOVE UNDERGROUND TANK

REMOVE UNDERGROUND TANK		
STATION	SIDE	EACH
*	*	*

Name: RE34
REMOVE CONCRETE DITCH LINER

REMOVE CONCRETE DITCH LINER				
STATION	TO	STATION	SIDE	SQ. YDS.
*		*	*	*

Name: RE35
REMOVE PUMP ISLAND

REMOVE PUMP ISLAND		
STATION	SIDE	EACH
*	*	*

Name: RE36
REMOVE STRUCTURE

REMOVE STRUCTURE		
STATION	SIDE	EACH
*	*	*

Name: RE37
REMOVE GUARDRAIL (STATION)

REMOVE GUARDRAIL		
STATION	SIDE	LIN. FT.
*	*	*

Name: RE38
REMOVE GUARDRAIL (STATION TO STATION)

REMOVE GUARDRAIL				
STATION	TO	STATION	SIDE	LIN. FT.
*		*	*	*

Name: RE39
REMOVE AND SALVAGE GUARDRAIL

REMOVE AND SALVAGE GUARDRAIL				
STATION	TO	STATION	SIDE	LIN. FT.
*		*	*	*

Name: RE40
REMOVE SIGN, POST AND FOOTING

REMOVE SIGN, POST AND FOOTING		
STATION	SIDE	DESCRIPTION
*	*	*

INFORMATION ONLY

Name: RE41
REMOVE CONCRETE MEDIAN BARRIER

REMOVE CONCRETE MEDIAN BARRIER, SPECIAL PLAN _C				
STATION	TO	STATION	SIDE	LIN. FT.
			*	*