



**ROADWAY DESIGN
TABULAR NOTES GUIDE**

JULY 2005

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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-R5			
STATION	TO	STATION	SIDE
•		•	•

Name: CE03
 BUILD _" CONCRETE BASE COURSE

BUILD _" CONCRETE BASE COURSE, PLAN 301-R8			
STATION	TO	STATION	SO. YDS.
•		•	•

Name: CE04
 BUILD _" DOWELED CONCRETE PAVEMENT

BUILD _" DOWELED CONCRETE PAVEMENT, PLAN 329-R5			
STATION	TO	STATION	SO. YDS.
•		•	•

Name: CE05
 BUILD CONCRETE PAVEMENT

BUILD CONCRETE PAVEMENT, PLAN 329-R5			
STATION	TO	STATION	SO. YDS.
•		•	•

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-R8			
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 2-5 Sheet will have a quantity for 'Asphaltic Concrete (or Bituminous) for Patching.'

Name: CE09
BUILD CONCRETE MEDIAN SURFACING

BUILD CONCRETE MEDIAN SURFACING, PLAN 301-R8			
STATION	TO	STATION	SG. YDS.
•		•	•

Name: CE10
BUILD CONCRETE TERRACE STEPS

BUILD CONCRETE TERRACE STEPS, SPECIAL PLAN _C			
STATION	TO	STATION	RSRS.
•		•	•

Name: CE11
BUILD CONCRETE DITCH LINING

BUILD CONCRETE DITCH LINING (SEE SHEET ---)			
STATION	TO	STATION	LIN. FT.
•		•	•

Name: CE12
BUILD REINFORCED CONCRETE RETAINING WALL

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

Name: CE13
BUILD MSE WALL

BUILD MSE WALL, SPECIAL PLAN _C	
STATION	SIDE
•	•

Name: CE14
BUILD MODULAR BLOCK RETAINING WALL

BUILD MODULAR BLOCK RETAINING WALL, SPECIAL PLAN _C	
STATION	SIDE
•	•

Name: CE15
BUILD CONCRETE PAVEMENT REPAIR

BUILD CONCRETE PAVEMENT REPAIR			
STATION	TO	STATION	SG. YDS.
•		•	•

Name: CE16
BUILD ASPHALT PATCHING OF CONCRETE PAVEMENT

BUILD ASPHALT PATCHING OF CONCRETE PAVEMENT			
STATION	TO	STATION	SG. 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	434-I
II	4342-I
IV	4344-I
V	4345-I
VI	4346-I
VII	4347-I
VIII	4348-I

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-R8				
STATION	TO	STATION	SIDE	SQ. YDS.
•			•	•

Name: CE19
BUILD CONCRETE BARRIER CURB

BUILD CONCRETE BARRIER CURB, PLAN 301-R8			
STATION	TO	STATION	LEN. FT.
•			•

Name: CE20
BUILD CONCRETE HEADER

BUILD CONCRETE HEADER, PLAN 301-R8			
STATION	TO	STATION	SQ. YDS.
•			•

Name: CE21
BUILD REINFORCED CONCRETE STEPS

BUILD REINFORCED CONCRETE STEPS, SPECIAL PLAN _C				
STATION	TO	STATION	RESERS	INCHES
•			•	•

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"
•	•	•	•

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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-R8		
STATION	SIDE	SQ. 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 2-5)			
STATION	SIDE	WIDTH	% SLOPE
•	•	•	•

Name: CE29
SURFACE DRIVEWAY

SURFACE DRIVEWAY (SEE SHEET 2-5)	
STATION	SIDE
•	•

Name: CE30
SURFACE 3-WAY INTERSECTION

SURFACE 3-WAY INTERSECTION (SEE SHEET 2-5)	
STATION	SIDE
•	•

Name: CE31
SURFACE 4-WAY INTERSECTION

SURFACE 4-WAY INTERSECTION (SEE SHEET 2-5)	
STATION	SIDE
•	•

Name: CE32
BUILD 3-WAY INTERSECTION

BUILD 3-WAY INTERSECTION (SEE SHEET 2-5)	
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-R8				
STATION	TO	STATION	SIDE	LDL FT.
•			•	•

Name: CE35
BUILD CONCRETE CURB, TYPE ---

BUILD CONCRETE CURB, TYPE ---, PLAN 301-R8			
STATION	TO	STATION	LDL FT.
•			•

Name: CE36
BUILD CONCRETE MEDIAN CURB

BUILD CONCRETE MEDIAN CURB, PLAN 301-R8			
STATION	TO	STATION	LDL FT.
•			•

Name: CE37
DROP CURB FOR DRIVEWAY

DROP CURB FOR DRIVEWAY, PLAN 301-R8		
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	LDL 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-R9 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	CU. YDS.
•			•

Name: CE42
BUILD GRAVEL SURFACE COURSE (TON)

BUILD GRAVEL SURFACE COURSE			
STATION	TO	STATION	TON
•			•

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

BUILD GRAVEL SURFACE COURSE			
STATION	TO	STATION	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-R9						
STATION	TO	STATION	SIDE	TYPE	"#"	EACH CHEVRONS
•			•	•	•	•

Name: CE47
BUILD FLEXIBLE DELINEATORS

BUILD FLEXIBLE DELINEATORS, SPECIAL PLAN .C						
STATION	TO	STATION	SIDE	TYPE	"#"	EACH
•			•	•	•	•

Name: CE48
BUILD PIER PROTECTION WALL

BUILD PIER PROTECTION WALL, SPECIAL PLAN .C		
STATION	TO	STATION
•		•

INFORMATION ONLY

SAFETY BEAM GUARDRAIL SPECIAL PLANS	
Plan	Plan Description
Spcl Plan 7040 I	Bridge Approach Section (Includes W-Triple Beam Transition Section)
Spcl Plan 7044 I	W-Triple Beam Transition Section (Paid for as I-Ea. when separate from B.A.S.)
Spcl Plan 7048 I	Special Bridge Approach Section (Triple-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 I or 7075 I	Bull Nose for Pier Protection
Spcl Plans 7071 I or 7075 I	Bull Nose for between Bridges
Spcl Plan 7044 I (3-Sheets)	Hardware Details (Includes W-Triple Beam Transition Section)
Spcl Plan 7043 I	Guardrail Location Tables
Spcl Plan 7045 I (2-Sheets)	End Anchorage Assemblies
Spcl Plan 7771 I	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-R4							
STATION	TO	STATION	LN. FT.	HEIGHT	END	POSTS PER FOOT	TAKE DOWN PANEL
•		•	•	•	•	•	•

Name: CE53
BUILD ROW FENCE

BUILD R.O.W. FENCE, PLAN 710-R4							
STATION	TO	STATION	LN. FT.	HEIGHT	END	POSTS PER FOOT	VEHICLE GATE
•		•	•	•	•	•	•

Name: CE54
CLEAR TRACT

CLEAR TRACT		
STATION	TO	STATION
•		•

Name: CE55
TREE TO BE SAVED

TREE TO BE SAVED	
STATION	SIDE
•	•

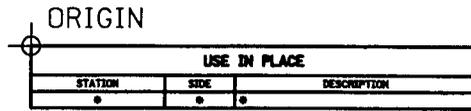
Name: CE56
ADJUST VALVE BOX TO GRADE

ADJUST VALVE BOX TO GRADE		
STATION	SIDE	EACH
•	•	•

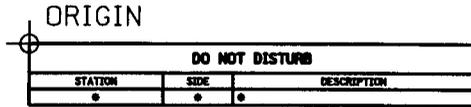
INFORMATION ONLY

Standard Plan 710-R4 "Fence Details"
Special Plan 7140 1 "4-Strand Barbed Wire Fence"
Special Plan 7150 1 "5-Strand Barbed Wire Fence"

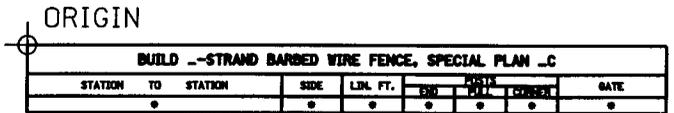
Name: CE57
 USE IN PLACE



Name: CE58
 DO NOT DISTURB



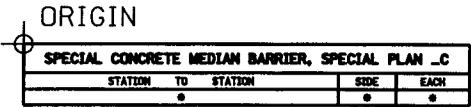
Name: CE59
 BUILD ROW FENCE



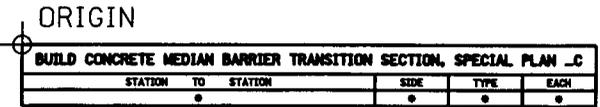
Name: CE60
 BUILD CONCRETE MEDIAN BARRIER



Name: CE61
 BUILD SPECIAL CONCRETE MEDIAN BARRIER



Name: CE62
 BUILD CONCRETE MEDIAN BARRIER
 TRANSITION SECTION



Cell Library: tab.cel

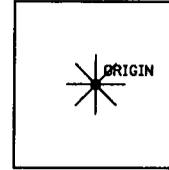
INFORMATION ONLY

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

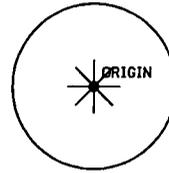
<i>Symbol</i>	<i>Used To Identify</i>
<i>Square</i>	<i>Manholes & Junction Boxes</i>
<i>Circle</i>	<i>Pipe</i>
<i>Diamond</i>	<i>Curb Inlets & Area Inlets</i>
<i>Hexagon</i>	<i>Median Structures</i>

**DO NOT CHANGE OR REASSIGN
SYMBOLS FOR THESE ITEMS!**

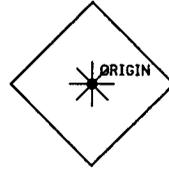
Name: DES01
SQUARE SYMBOL



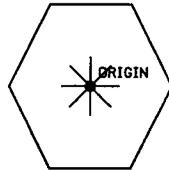
Name: DES02
CIRCLE SYMBOL



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

ADJUST MANHOLE TO GRADE, PLAN 435-R1						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
•	•	•	•	•	•	•

Name: DE02
 BUILD JUNCTION BOX (STD. PLAN)

BUILD JUNCTION BOX, PLAN 443-R6				
NO.	STATION	SIDE	"X"	"Y X Y"
•	•	•	•	•

Name: DE03
 BUILD MANHOLE

BUILD MANHOLE, PLAN 436-R1						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
•	•	•	•	•	•	•

Name: DE04
 RECONSTRUCT EXISTING MANHOLE

RECONSTRUCT EXISTING MANHOLE, PLAN 436-R1						
NO.	STATION	SIDE	FRAME	FLANGE	RING	COVER TYPE
•	•	•	•	•	•	•

Name: DE05
 BUILD JUNCTION BOX (SPECIAL PLAN _C)

BUILD JUNCTION BOX, SPECIAL PLAN _C				
NO.	STATION	SIDE	"X"	"Y X Y"
•	•	•	•	•

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. (CL. YDS)
•	•	•	•	•

Name: DE11
BUILD CULVERT PIPE 1

BUILD CULVERT PIPE				
NO.	STATION	SIDE	DESCRIPTION	Exc. (CL. YDS)
•	•	•	•	•

Name: DE12
BUILD REINFORCED CONCRETE PIPE

BUILD REINFORCED CONCRETE PIPE				
NO.	STATION	SIDE	DESCRIPTION	Exc. (CL. 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 Y"
•	•	•	•	•

Name: DE15
BUILD CURB INLET

BUILD CURB INLET, PLAN 443-R6				
NO.	STATION	SIDE	"X"	"Y"
•	•	•	•	•

Name: DE16
BUILD AREA INLET 2

BUILD AREA INLET, SPECIAL PLAN .C			
NO.	STATION	SIDE	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.

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. (CUL YDS)
•	•	•

Name: DE19
EXTEND CORRUGATED METAL PIPE

EXTEND CORRUGATED METAL PIPE		
STATION	DESCRIPTION	EXC. (CUL YDS)
•	•	•

Name: DE20
EXTEND REINFORCED CONCRETE PIPE

EXTEND REINFORCED CONCRETE PIPE		
STATION	DESCRIPTION	EXC. (CUL YDS)
•	•	•

Name: DE21
EXTEND CONCRETE BOX CULVERT

EXTEND CONCRETE BOX CULVERT		
STATION	DESCRIPTION	EXC. (CUL YDS)
•	•	•

Name: DE22
PLUG ENDS & ABANDON PIPE

PLUG ENDS & ABANDON PIPE, PLAN 428-R2	
STATION	DESCRIPTION
•	•

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: DE23
SANDFILL CULVERT

SANDFILL CULVERT			
STATION	SIDE	DESCRIPTION	CUL 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

ORIGIN

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

ORIGIN

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

Name: DE26
 BUILD 4" PIPE UNDERDRAIN

ORIGIN

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

Name: DE26
 BUILD UNDERDRAIN HEADWALL

ORIGIN

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	ACCMP 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 #, FTH = --.

Name: DPPE02
BUILD STORM SEWER PIPE

BUILD STORM SEWER PIPE		
NO.	SIZE	DESCRIPTION
•	•	Type 1, 7 or 8, Special Plan --C, FTH = --.

Name: DPPE03
BUILD CULVERT PIPE 2

BUILD CULVERT PIPE			
NO.	STATION	DESCRIPTION	EXC. (GL. YDS.)
•	•	--" x --, Type 2, 3, 4, 5, 7 or 8, Special Plans --C, FTH = --.	•

Name: DPPE04
BUILD CULVERT PIPE 3

BUILD CULVERT PIPE			
NO.	STATION	DESCRIPTION	EXC. (GL. YDS.)
•	•	--" x --, Type 2, 3, 4, 5, 7 or 8, Special Plans --C, FTH = --.	•

NEW PIPE POLICY INFORMATION:

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

* DO NOT use "New Pipe Policy Notes" whenever the Pipe Policy does not apply to ANY of the 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

ORIGIN

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

Name: ME02
EARTHWORK QUANTITIES 2

ORIGIN

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

Name: ME03
EARTHWORK QUANTITIES 3

ORIGIN

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

ORIGIN

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
ORIGIN

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

Name: ME64
EARTHWORK QUANTITIES 6
ORIGIN

EARTHWORK				
STATION TO STATION	EXCAVATION (CU. YDS.)	EMBANKMENT (CU. YDS.)	BALANCE FACTOR	EXCAVATION BELOW (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.	6105.01	00914
	35 lb.		
	2 lb. Not to exceed 10		
Type B	300 lb.	6105.02	00914
	80 lb.		
	5 lb. Not to exceed 10		
Type C	700 lb.	6105.03	00914
	150 lb.		
	10 lb. Not to exceed 10		

Broken Concrete Riprap does not have a type.

Note ME07: Normally used longitudinally along roadway, NOT at pipe ends.

Name: ME06
BUILD ROCK RIPRAP

ORIGIN

BUILD ROCK RIPRAP (SEE SKETCH ON SHEET 2-N)			
STATION	SIZE	TYPE	TONS
•	•	•	•

Name: ME07
BUILD BROKEN CONCRETE RIPRAP

ORIGIN

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

Name: ME08
BUILD INTERLOCKING CONCRETE PAVER BLOCKS

ORIGIN

BUILD INTERLOCKING CONCRETE PAVER BLOCKS (SEE SHEET --)		
STATION TO STATION	SIZE	SQ. FT.
•	•	•

RC=AREAPAT
AP=HONEY
PS=.15

RC = AREAPAT
AP = HONEY
PS = .15

* TO BE USED AS DITCH LINER

INFORMATION ONLY

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

*Note ME10:
Only use if a 2-H Data Sheet is not available.*

*Special Ditch Tabular Notes (ME12 & ME13):
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.

Special Plan 5700 1 "Silt Fence Details"

Special Plan 5750 1 "Silt Fence Installation In Water"

Name: ME09
SODDING

ORIGIN

	SODDING	SQ. YDS.	RC = AREAPAT AP = GRASS PS = .12	RC = AREAPAT AP = GRASS PS = .12
	SEEDING, TYPE "B"	ACRES		

Name: ME10
BENCH MARKS

ORIGIN

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

Name: ME11
RELOCATE WATER VALVE & BOX

ORIGIN

RELOCATE WATER VALVE & BOX		
STATION	SIDE	EACH
•	•	•

Name: ME12
SPECIAL DITCH RIGHT

ORIGIN

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

Name: ME13
SPECIAL DITCH LEFT

ORIGIN

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

Name: ME14
BUILD FABRIC SILT FENCE-LOW POROSITY

ORIGIN

-x-x- BUILD FABRIC SILT FENCE-LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LDL FT.
•	•	•	•	•

Name: ME15
BUILD FABRIC SILT FENCE-LOW POROSITY

ORIGIN

-x-x- BUILD FABRIC SILT FENCE-LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LDL FT.
•	•	•	•	•

Name: ME16
BUILD FABRIC SILT FENCE-HIGH POROSITY

ORIGIN

-xx-xx- BUILD FABRIC SILT FENCE-HIGH POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LDL FT.
•	•	•	•	•

INFORMATION ONLY

Special Plan 5700 1 "Silt Fence Details"
 Special Plan 5750 1 "Silt Fence Installation
 In Water"

EROSION CONTROL INFORMATION		
EROSION CONTROL PAY ITEM	DESCRIPTION	WHERE USED
Temporary Erosion Control	Straw or Excelsior Blanket	Phased Construction
Erosion Control, Type A	Synthetic Material Blanket	Final Erosion Control (Slope Only)
Erosion Control, Type AA	Synthetic Material Blanket	Final Erosion Control
Erosion Control, Type AAA	Synthetic Material Blanket	Culvert Discharge Areas
Erosion Control, Type AAAA	Synthetic Material - High Velocity	Culvert Discharge Areas
Erosion Control, Type B	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, Type C	Coconut Blanket	Final Erosion Control
Erosion Control, Type HV	High Velocity Straw or Excelsior	Final Erosion Control
Erosion Control, Type J	Julie Mesh Erosion Blanket	Sandy Areas
Slope Protection Netting	Synthetic Netting	Over Mulch In Sand
Erosion Checks	Bales of Hay/Straw	Ditches
Erosion Checks, Type A	Bales of Hay/Straw With A Particular Erosion Control Fabric	Ditches
Erosion Checks, Type AA		
Erosion Checks, Type AAA		
Erosion Checks, Type B		
Erosion Checks, Type C	Bales of Hay/Straw With A Particular Erosion Control Fabric With Silt Traps (ST)	Ditches
Erosion Checks, Type HV		
Erosion Checks, Type ST		
Erosion Checks, Type ST-A		
Erosion Checks, Type ST-AA		
Erosion Checks, Type ST-AAA	Filtration Material To Stop Silt	During Construction
Erosion Checks, Type ST-B		
Erosion Checks, Type ST-C		
Erosion Checks, Type ST-HV	Filtration Material To Stop Silt With Silt Traps (ST)	During Construction
Fabric Silt Fence - Low Porosity		
Fabric Silt Fence - High Porosity	Organic Biodegradable Silt Fence	During Construction
Fabric Silt Fence - Low Profile Low Porosity		
Fabric Silt Fence - Low Profile High Porosity	Biodegradable Coconut Fabric Silt Fence	Wetland Protection During Construction
Fabric Silt Fence - Low Porosity, Type ST		
Fabric Silt Fence - High Porosity, Type ST	Silt Fence On Wood Post With A Woven Wire Backing	During Construction
Fabric Silt Fence - Low Profile, Type OB		
Fabric Silt Fence - Low Profile, Type OB	Speed Bumps For Water	Ditches
Fabric Silt Fence, Type CORR Fiber		
Fabric Silt Fence - Low Profile, Type CORR Fiber	Hay/Straw Bales Set On The Ground	Ditches
Fabric Silt Fence -WP-WW- Low Porosity		
Fabric Silt Fence -WP-WW- High Porosity	Heavy Duty Ditch Protection	Ditches
Fabric Silt Check		
Hay Bale Silt Check	Keeps Silt Out Of Area Inlet	Grate Inlets
Silt Grid (Cellular) Confinement		
Area Inlet Sediment Filter	Silt Protection For An Inlet	Inlet Protection
Inlet Liner		

ABBREVIATIONS:
 HV = High Velocity
 WP = Wooden Posts
 WW = Woven Wire
 OB = Organic Biodegradable
 ST = Silt Trap

Name: ME17
 BUILD FABRIC SILT FENCE-HIGH POROSITY

ORIGIN

-XX-XX- BUILD FABRIC SILT FENCE-HIGH POROSITY, SPECIAL PLAN .C			
STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•

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

ORIGIN

-XXX- BUILD FABRIC SILT FENCE-LOW PROFILE HIGH POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME19
 BUILD FABRIC SILT FENCE-
 LOW PROFILE HIGH POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE-LOW PROFILE HIGH POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME20
 BUILD FABRIC SILT FENCE-
 LOW PROFILE LOW POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE-LOW PROFILE LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME21
 BUILD FABRIC SILT FENCE-
 LOW PROFILE LOW POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE-LOW PROFILE LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME22
 BUILD FABRIC SILT FENCE HIGH POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE-WP-WW-HIGH POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME23
 BUILD FABRIC SILT FENCE HIGH POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE -WP-WW- HIGH POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME24
 BUILD FABRIC SILT FENCE LOW POROSITY

ORIGIN

-XXX- BUILD FABRIC SILT FENCE -WP-WW- LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

INFORMATION ONLY

Special Plan 5700 1 "Silt Fence Details"

Special Plan 5750 1 "Silt Fence Installation In Water"

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

Name: ME25
BUILD FABRIC SILT FENCE LOW POROSITY

ORIGIN

-com - BUILD FABRIC SILT FENCE -WP-WP- LOW POROSITY, SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME26
BUILD FABRIC SILT FENCE, TYPE COIR FIBER

ORIGIN

-com - BUILD FABRIC SILT FENCE, TYPE "COIR FIBER", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME27
BUILD FABRIC SILT FENCE, TYPE COIR FIBER

ORIGIN

-com - BUILD FABRIC SILT FENCE, TYPE "COIR FIBER", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME28
BUILD FABRIC SILT FENCE HIGH POROSITY, TYPE ST

ORIGIN

-com - BUILD FABRIC SILT FENCE-HIGH POROSITY, TYPE "ST", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME29
BUILD FABRIC SILT FENCE HIGH POROSITY, TYPE ST

ORIGIN

-com - BUILD FABRIC SILT FENCE-HIGH POROSITY, TYPE "ST", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME30
BUILD FABRIC SILT FENCE LOW POROSITY, TYPE ST

ORIGIN

-com - BUILD FABRIC SILT FENCE-LOW POROSITY, TYPE "ST", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME31
BUILD FABRIC SILT FENCE LOW POROSITY, TYPE ST

ORIGIN

-com - BUILD FABRIC SILT FENCE-LOW POROSITY, TYPE "ST", SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

Name: ME32
BUILD FABRIC SILT CHECKS

ORIGIN

-com - BUILD FABRIC SILT CHECKS, SPECIAL PLAN .C			
STATION	TO STATION	SIDE	DESCRIPTION
o	o	o	o
L.S. FT.			

INFORMATION ONLY

Special Plan 5108 1 "Temporary Silt Checks"

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

Special Plan 5102 1 "Hay Bale Silt Checks"

TYPES OF EROSION CHECKS:
 A, B, C, HV, ST, ST-A, ST-B, ST-AA,
 ST-C, ST-HV, ST-AAA, AA, AAA

Special Plan 5012 1 "Erosion Control, Type "A" & "AA"

Special Plan 5013 1 "Erosion Control, Type "AAA"

Standard Plan 501-R3 Covers Erosion Control Types: B, B1, HV & J. (Wood Excelsior, Straw or Jute Blanket and Coconut Mat)

Name: ME33
 BUILD FABRIC SILT CHECKS

ORIGIN

BUILD FABRIC SILT CHECKS, SPECIAL PLAN .C			
STATION	SIDE	DESCRIPTION	LIN. FT.
•	•	•	•

Name: ME34
 BUILD TEMPORARY SILT CHECKS

ORIGIN

BUILD TEMPORARY SILT CHECKS, SPECIAL PLAN .C						
STATION	TO	STATION	SIDE	SPACING	LIN. FT. EACH	TOTAL LIN. FT.
•	•	•	•	•	•	•

Name: ME35
 BUILD TEMPORARY SILT CHECKS

ORIGIN

BUILD TEMPORARY SILT CHECKS, SPECIAL PLAN .C			
STATION	SIDE	DESCRIPTION	LIN. FT.
•	•	•	•

Name: ME36
 BUILD EROSION CHECKS, TYPE --

ORIGIN

BUILD EROSION CHECKS, TYPE --, SPECIAL PLAN .C			
STATION	SIDE	DESCRIPTION	BALES EACH
•	•	•	•

Name: ME37
 BUILD EROSION CHECKS, TYPE --

ORIGIN

BUILD EROSION CHECKS, TYPE --, SPECIAL PLAN .C						
STATION	TO	STATION	SIDE	SPACING	BALES EACH	BALES TOTAL
•	•	•	•	•	•	•

Name: ME38
 BUILD EROSION CONTROL - TYPE --

ORIGIN

BUILD EROSION CONTROL-TYPE --, SPECIAL PLAN .C						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SQ. YDS.
•	•	•	•	•	•	•

Name: ME39
 BUILD EROSION CONTROL - TYPE --

ORIGIN

BUILD EROSION CONTROL-TYPE --, SPECIAL PLAN .C					
STATION	SIDE	DESCRIPTION	WIDTH	SQ. YDS.	
•	•	•	•	•	•

Name: ME40
 BUILD EROSION CONTROL - TYPE --, PLAN 501

ORIGIN

BUILD EROSION CONTROL-TYPE --, PLAN 501-R3						
STATION	TO	STATION	SIDE	DESCRIPTION	WIDTH	SQ. YDS.
•	•	•	•	•	•	•

INFORMATION ONLY

Standard Plan 501-R3 Covers Erosion Control Types: B, B1, HV & J. (Wood Excelsior, Straw or Jute Blanket and Coconut Mat)

Special Plan 5014 1 "Slope Protection Netting"

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.

Name: ME41
BUILD EROSION CONTROL, TYPE __, PLAN 501

ORIGIN

BUILD EROSION CONTROL-TYPE __, PLAN 501-R3				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME42
BUILD SLOPE PROTECTION NETTING

ORIGIN

BUILD SLOPE PROTECTION NETTING, SPECIAL PLAN .C				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME43
BUILD SLOPE PROTECTION NETTING

ORIGIN

BUILD SLOPE PROTECTION NETTING, SPECIAL PLAN .C				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME44
BUILD EROSION CONTROL SOIL
GRID CONFINEMENT SYSTEM

ORIGIN

BUILD EROSION CONTROL SOIL GRID CONFINEMENT SYSTEM, SPECIAL PLAN .C				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME45
BUILD EROSION CONTROL SOIL
GRID CONFINEMENT SYSTEM

ORIGIN

BUILD EROSION CONTROL SOIL GRID CONFINEMENT SYSTEM, SPECIAL PLAN .C				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME46
BUILD TEMPORARY EROSION CONTROL, TYPE __

ORIGIN

BUILD TEMPORARY EROSION CONTROL, TYPE __, PLAN 501-R3				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME47
BUILD TEMPORARY EROSION CONTROL, TYPE __

ORIGIN

BUILD TEMPORARY EROSION CONTROL, TYPE __, PLAN 501-R3				
STATION	TO	STATION	SIDE	DESCRIPTION
•		•	•	•
WIDTH	SQ. YDS.			
•	•	•	•	•

Name: ME48
BUILD INLET SEDIMENT FILTER

ORIGIN

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

INFORMATION ONLY

Standard Detail 5480 5 "Inlet Liner Details"

Special Plan 5700 1 "Silt Fence Details"

Special Plan 5750 1 "Silt Fence Installation In Water"

*Seldom used.
"OB" = Organic Biodegradable
(Lightweight Burlap)*

Name: ME49
BUILD INLET LINER

BUILD INLET LINER (SEE SHEET 2-N)			
STATION	TO	SIDE	DESCRIPTION
•		•	•

Name: ME50
BUILD FABRIC SILT FENCE-LOW
PROFILE, TYPE "OB"

-- OB -- BUILD FABRIC SILT FENCE-LOW PROFILE, TYPE "OB", SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME51
BUILD FABRIC SILT FENCE-LOW
PROFILE, TYPE "OB"

-- OB -- BUILD FABRIC SILT FENCE-LOW PROFILE, TYPE "OB", SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME52
BUILD FABRIC SILT FENCE, TYPE "OB"

-- OB -- BUILD FABRIC SILT FENCE, TYPE "OB", SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME53
BUILD FABRIC SILT FENCE, TYPE "OB"

-- OB -- BUILD FABRIC SILT FENCE, TYPE "OB", SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME54
BUILD FABRIC SILT FENCE-WW-LOW POROSITY

-- XXX -- BUILD FABRIC SILT FENCE-WW-LOW POROSITY, SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME55
BUILD FABRIC SILT FENCE-WW-LOW POROSITY

-- XXX -- BUILD FABRIC SILT FENCE-WW-LOW POROSITY, SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

Name: ME56
BUILD FABRIC SILT FENCE-WW-HIGH POROSITY

-- XXX -- BUILD FABRIC SILT FENCE-WW-HIGH POROSITY, SPECIAL PLAN .C			
STATION	TO	STATION	SIDE
•		•	•

INFORMATION ONLY

Special Plan 5700 1 "Silt Fence Details"
 Special Plan 5750 1 "Silt Fence Installation
 In Water"

Name: ME57
 BUILD FABRIC SILT FENCE-WW-HIGH POROSITY

ORIGIN

- XXX - BUILD FABRIC SILT FENCE-WW-HIGH POROSITY, SPECIAL PLAN .C			
STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•

Name: ME58
 BUILD FABRIC SILT FENCE-LOW
 PROFILE, TYPE "COIR FIBER"

ORIGIN

- COIR - COIR BUILD FABRIC SILT FENCE-LOW PROFILE, TYPE "COIR FIBER", SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME59
 BUILD FABRIC SILT FENCE-LOW
 PROFILE, TYPE "COIR FIBER"

ORIGIN

- COIR - COIR BUILD FABRIC SILT FENCE-LOW PROFILE, TYPE "COIR FIBER", SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME60
 BUILD FABRIC SILT FENCE-WP-LOW POROSITY

ORIGIN

- XXX - BUILD FABRIC SILT FENCE-WP-LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME61
 BUILD FABRIC SILT FENCE-WP-LOW POROSITY

ORIGIN

- XXX - BUILD FABRIC SILT FENCE-WP-LOW POROSITY, SPECIAL PLAN .C				
STATION	TO STATION	SIDE	DESCRIPTION	LEN. FT.
•	•	•	•	•

Name: ME62
 BUILD HAY BALE SILT CHECK

ORIGIN

- XXX - BUILD HAY BALE SILT CHECK, SPECIAL PLAN .C					
STATION	TO STATION	SIDE	SPACING	BALES EACH	BALES TOTAL
•	•	•	•	•	•

Name: ME63
 BUILD HAY BALE SILT CHECK

ORIGIN

- XXX - BUILD HAY BALE SILT CHECK, SPECIAL PLAN .C					
STATION	TO STATION	SIDE	SPACING	BALES EACH	BALES TOTAL
•	•	•	•	•	•

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.

Name: RE01
REMOVE ASPHALT SURFACE

REMOVE ASPHALT SURFACE			
STATION	TO	STATION	SIDE
•		•	•

AA = 135°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
3.125 (20 SCALE)

Name: RE02
REMOVE PAVEMENT

REMOVE PAVEMENT			
STATION	TO	STATION	SIDE
•		•	•

AA = 45°
HATCH SPACING:
12.5 (100 SCALE)
6.25 (50 SCALE)
3.125 (20 SCALE)

Name: RE03
REMOVE CONCRETE MEDIAN SURFACING

REMOVE CONCRETE MEDIAN SURFACING			
STATION	TO	STATION	SIDE
•		•	•

AA = 135°
HATCH SPACING:
6.5 (100 SCALE)
3.125 (50 SCALE)
1.56 (20 SCALE)

Name: RE04
REMOVE DRIVEWAY

REMOVE DRIVEWAY			
STATION	TO	STATION	SIDE
•		•	•

AA = 45°
HATCH SPACING:
6.5 (100 SCALE)
3.125 (50 SCALE)
1.56 (20 SCALE)

Name: RE05
REMOVE WALK

REMOVE WALK			
STATION	TO	STATION	SIDE
•		•	•

AA = 45°
HATCH SPACING:
3.25 (100 SCALE)
1.56 (50 SCALE)
0.78 (20 SCALE)

Name: RE06
REMOVE DRIVEWAY CULVERT PIPE

REMOVE DRIVEWAY CULVERT PIPE			
STATION	TO	STATION	DESCRIPTION
•		•	•

Name: RE07
REMOVE EXISTING PIPE CULVERT

REMOVE EXISTING PIPE CULVERT				
STATION	TO	STATION	DESCRIPTION	EXC. (CUL. YDS.)
•		•	•	•

Name: RE08
REMOVE EXISTING SEWER PIPE

REMOVE EXISTING SEWER PIPE		
STATION	TO	STATION
•		•

EXAMPLE:

REMOVE EXISTING PIPE CULVERT				
STATION	TO	STATION	DESCRIPTION	EXC. (CUL. YDS.)
123+45	-	124+35	54" x 90' REINFORCED CONCRETE PIPE W/HOWL. ON INLET & F.E.S. ON OUTLET. REMOVE.	•

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)

ORIGIN

REMOVE EXISTING SLAB				
STATION	TO	STATION	SIDE	EACH
•		•	•	•

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

ORIGIN

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

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

ORIGIN

REMOVE EXISTING STRUCTURE		
STATION	SIDE	DESCRIPTION
•	•	•

Name: RE12
REMOVE DISCHARGE STRUCTURE

ORIGIN

REMOVE DISCHARGE STRUCTURE		
STATION	SIDE	EACH
•	•	•

Name: RE13
REMOVE CONCRETE FLUME

ORIGIN

REMOVE CONCRETE FLUME		
STATION	SIDE	EACH
•	•	•

Name: RE14
REMOVE ASPHALT FLUME

ORIGIN

REMOVE ASPHALT FLUME		
STATION	SIDE	EACH
•	•	•

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

ORIGIN

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

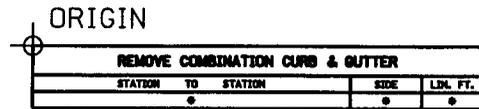
Name: RE16
REMOVE CURB 2
(WITHOUT "SEE SKETCH ON SHEET 2-T NOTE)

ORIGIN

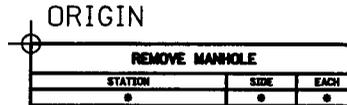
REMOVE CURB				
STATION	TO	STATION	SIDE	LN. FT.
•		•	•	•

INFORMATION ONLY

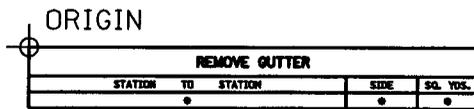
Name: RE17
REMOVE COMBINATION CURB AND GUTTER



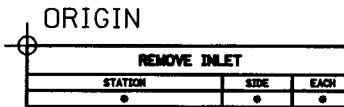
Name: RE18
REMOVE MANHOLE



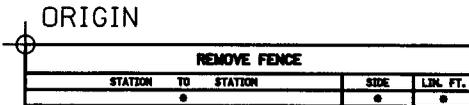
Name: RE19
REMOVE GUTTER



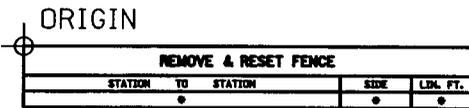
Name: RE20
REMOVE INLET



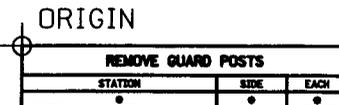
Name: RE21
REMOVE FENCE



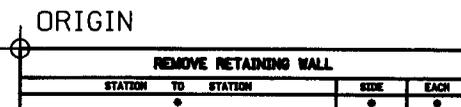
Name: RE22
REMOVE AND RESET FENCE



Name: RE23
REMOVE GUARD POSTS



Name: RE24
REMOVE RETAINING WALL 1 (EACH)



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.

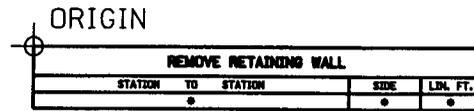
Define the number of Guard Posts to be removed.

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

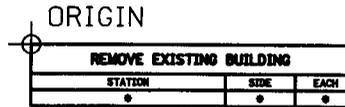
INFORMATION ONLY

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

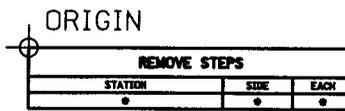
Name: RE25
REMOVE RETAINING WALL 2 (LIN. FT.)



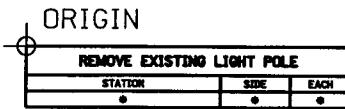
Name: RE26
REMOVE EXISTING BUILDING



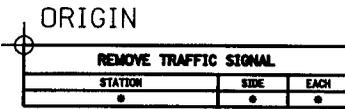
Name: RE27
REMOVE STEPS



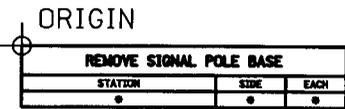
Name: RE28
REMOVE EXISTING LIGHT POLE



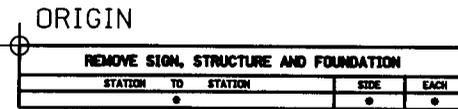
Name: RE29
REMOVE TRAFFIC SIGNAL



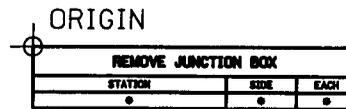
Name: RE30
REMOVE SIGNAL POLE BASE



Name: RE31
REMOVE SIGN, STRUCTURE AND FOUNDATION



Name: RE32
REMOVE JUNCTION BOX



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)

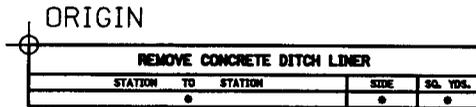
Use "Station to Station" (Note RE38) when a structure is not present, when removing a partial length, or when removing guardrail at one corner of a bridge.

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

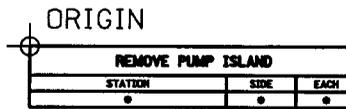
Name: RE33
REMOVE UNDERGROUND TANK



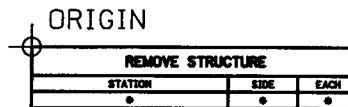
Name: RE34
REMOVE CONCRETE DITCH LINER



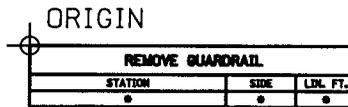
Name: RE35
REMOVE PUMP ISLAND



Name: RE36
REMOVE STRUCTURE



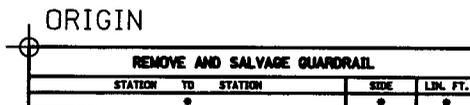
Name: RE37
REMOVE GUARDRAIL (STATION)



Name: RE38
REMOVE GUARDRAIL (STATION TO STATION)



Name: RE39
REMOVE AND SALVAGE GUARDRAIL



Name: RE40
REMOVE SIGN, POST AND FOOTING

