

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

TEMPORARY DITCH CHECK,
(1) ONE EACH (7 FOOT LONG),
(ON THE RIGHT SIDE OF THE DITCH)

TEMPORARY DITCH CHECK,
(1) ONE EACH (7 FOOT LONG),
(ON THE LEFT SIDE OF THE DITCH)

SILT DIKE UNIT ISOMETRIC

SECTION A-A
16'-20" TRENCH
3" TO 6" TRENCH FLOW
2'-3" STAPLES - 11 GAUGE WIRE MINIMUM 6" LENGTH

SECTION B-B
ONE 7' UNIT ONE 7' UNIT
POINT 1 POINT 2
STAPLES (TYP.) APRON OVERLAP

STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

NOTE:
THE INSTALLATION SHOWN ABOVE WILL BE MEASURED AS A TEMPORARY DITCH CHECK 14 FEET IN LENGTH.

SCALE: 1" = 5'

| REVISIONS | DATE |
|------------------|----------|
| ADDED DIMENSIONS | 04/11/08 |
| REVISED PAY ITEM | 04/15/10 |

LakeCounty Division of Transportation
APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH

LC2050

PORTABLE ROLL OFF BOX

PREFAB PORTABLE WASHOUT

SECTION A-A
METAL ROLL OFF BOX
SEDIMENT

PLAN VIEW
10' MIN.
LATH & FLAGGING ON ALL SIDES
10 MIL PLASTIC LINING
SANDBAG
BERM

SECTION B-B
10 MIL PLASTIC LINING
SANDBAG
BERM

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

| REVISIONS | DATE |
|-----------|------|
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LakeCounty Division of Transportation
APPROVED BY: MGZ
DATE: March 17, 2008

CONCRETE WASHOUT FACILITIES

SHEET 1 OF 2

LC4202

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| NOTE BOOK | |
| AREAS CHECKED | |
| NO. | |

1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF POSTS

2. ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3 (THREE) FASTENERS PER POST AND EXTEND FABRIC TO THE BOTTOM OF THE TRENCH

3. BACKFILL AND COMPACT THE EXCAVATED MATERIALS

POSTS - CHOICE OF:
1.2" X 1.2" NOMINAL HARDWOOD POSTS
2.6" X 2.6" NOMINAL NO.2 SOUTHERN PINE OR U, T, L, OR C-SHAPE STEEL POSTS WITH MIN. WEIGHT 1.33 LBS/FT

FASTENERS (TYP.)
GEOTEXTILE FABRIC
30" MIN. ABOVE GROUND
COMPACTED SPOIL MATERIAL
FABRIC EXTENSION INTO TRENCH
BURIED DEPTH = 20" MIN. 24" MIN. IF SLOPE > 3:1

NOTE: OPTIONAL WIRE SUPPORT
- MIN. 30" HEIGHT
- MIN. 1/4 GAUGE WIRE
- MIN. 6" HORIZ. WIRES
- MIN. 6" VERTICAL SPACING

SCALE 1" = 1'

| REVISIONS | DATE |
|----------------|----------|
| ORIG. by LCSMC | 04/21/08 |

LakeCounty Division of Transportation
APPROVED BY: M. G. ZEMAITIS
DATE: JUNE 20, 2008

PERIMETER EROSION BARRIER INSTALLATION

LC2051

| Requirements | Test Methods | Wire Backed Supported Silt Fence ^a | Unsupported Silt Fence | |
|---|--------------|---|------------------------|------------------------|
| Maximum Post Spacing | | 4 feet | 4 feet | 6 feet |
| Grab Strength | ASTM D 4632 | | | |
| Machine direction | | 90 lbs | 124 lbs | 124 lbs |
| X-Machine direction | | 90 lbs | 100 lbs | 100lbs |
| Permeability | ASTM D 4491 | 0.05 sec ⁻¹ | 0.05 sec ⁻¹ | 0.05 sec ⁻¹ |
| Apparent Opening Size | ASTM D 4751 | 0.024in maximum average roll value | | |
| Ultraviolet stability (retained strength) | ASTM D 4355 | 70% after 500 hours of exposure | | |

10' MIN.

STAKE (TYP.)
10 MIL PLASTIC LINING
WOOD FRAME SECURELY FASTENED AROUND ENTIRE PERIMETER WITH TWO STAKES

PLAN VIEW ABOVE GRADE
SECTION C-C

10 MIL PLASTIC LINING
WOOD FRAME SECURELY FASTENED AROUND ENTIRE PERIMETER WITH TWO STAKES

SECTION D-D
STAPLES (2 PER BALE)
10 MIL PLASTIC LINING
BINDING WIRE
NATIVE MATERIAL (OPTIONAL)
STRAW BALE
WOOD OR METAL STAKES (2 PER BALE)

PLAN VIEW ABOVE GRADE WITH STRAW BALES
SECTION D-D

CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)

PLYWOOD 48" X 24" PAINTED WHITE
BLACK LETTERS 6" HEIGHT
CONCRETE WASHOUT
0.5" LAG SCREWS
WOOD POST 3" X 3" X 8'

STAPLE DETAIL
1/8" DIA. STEEL WIRE

NOTES:
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3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

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LakeCounty Division of Transportation
APPROVED BY: MGZ
DATE: March 17, 2008

CONCRETE WASHOUT FACILITIES

SHEET 2 OF 2

LC4202

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|--|-------------------|-----------|
| USER NAME = pk | DESIGNED - PK | REVISED - |
| FILE NAME = ...2322_Erosion_Control.03.dgn | DRAWN - PK | REVISED - |
| PLOT SCALE = 58.0000' / in. | CHECKED - RTM | REVISED - |
| PLOT DATE = 12/14/2011 | DATE = 12/19/2011 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL
GRAND AVENUE UNDERPASS

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 0541 | 10-F3000-00-BT | LAKE | 91 | 21 |
| CONTRACT NO. 63665 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

SHEET NO. 4 OF 4 SHEETS STA. TO STA.