



Part Two: Evaluation Forms for Precast Product Verification by Destructive Testing

Tennessee Department of Transportation

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A. Square & Rectangular Concrete Data Sheet-Drainage Catch Basin

A.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

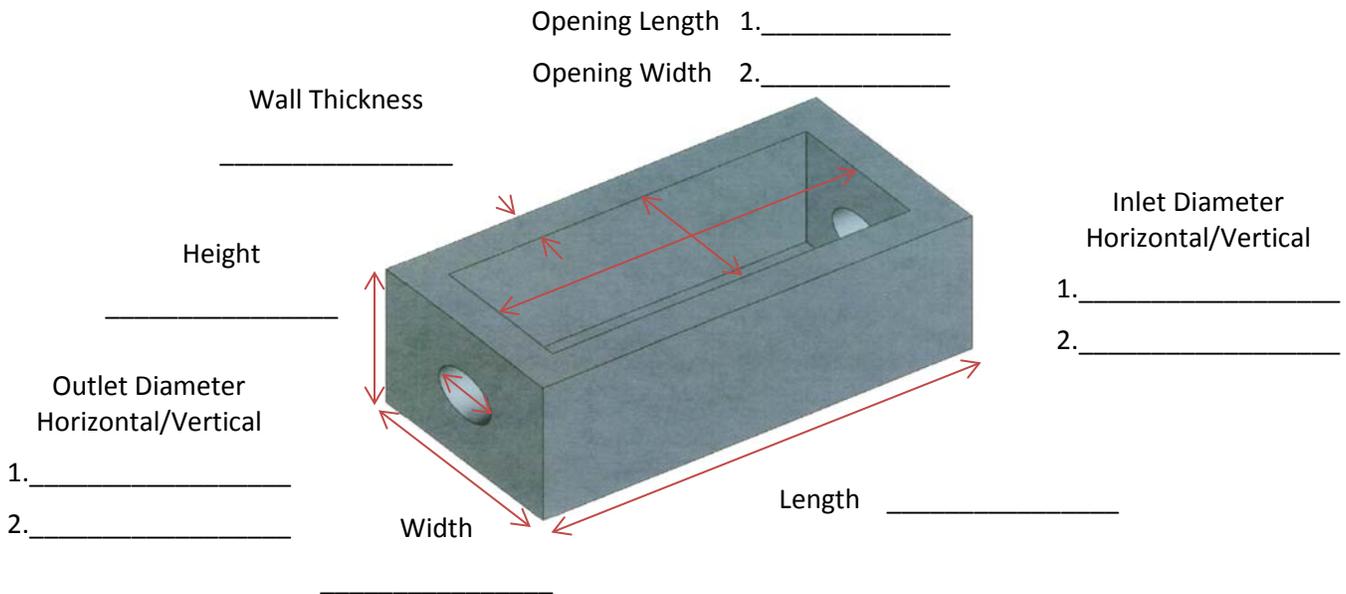
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

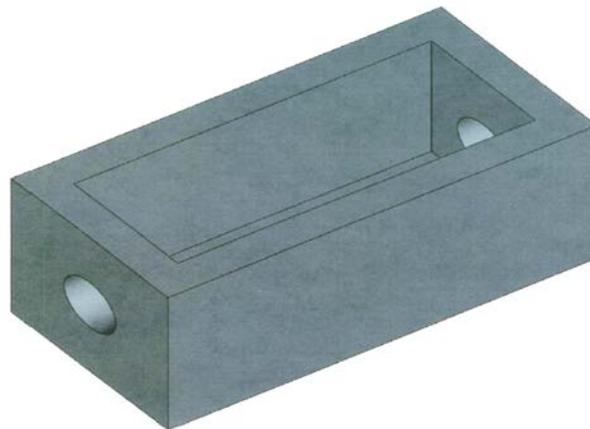
Date Produced: _____ Standard Drawing No.: _____

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

A.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

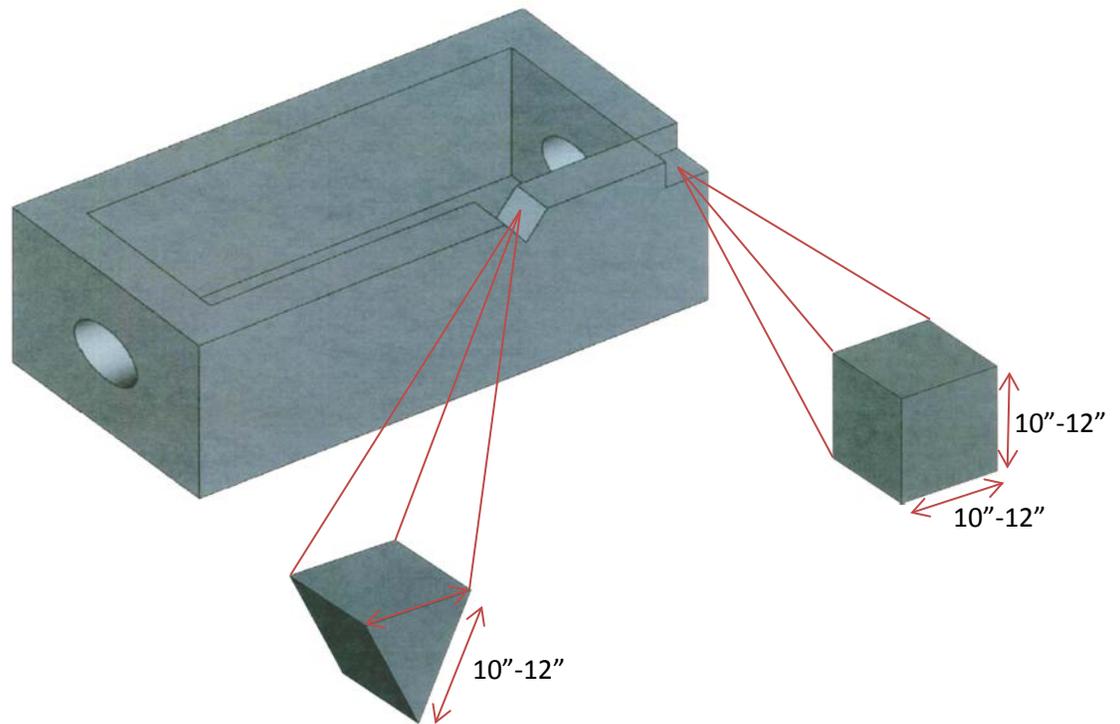
Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

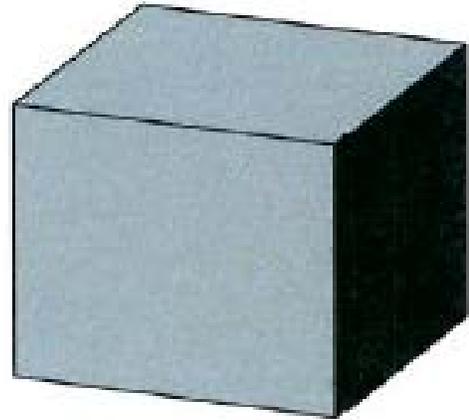
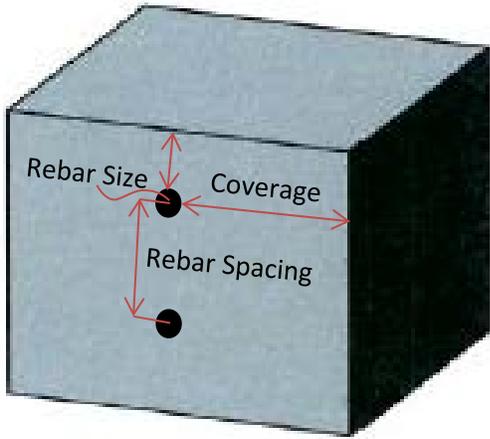
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

A.3 POSSIBLE LOCATION OF SAW CUTS

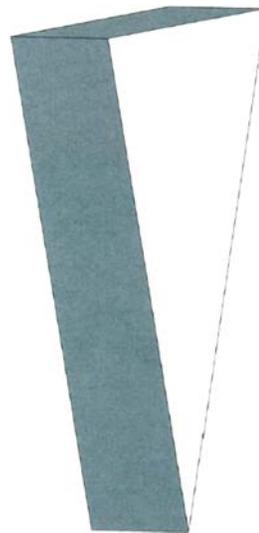
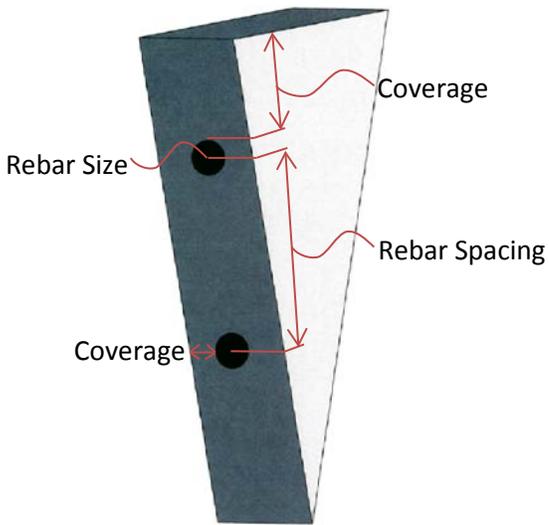


A.4 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

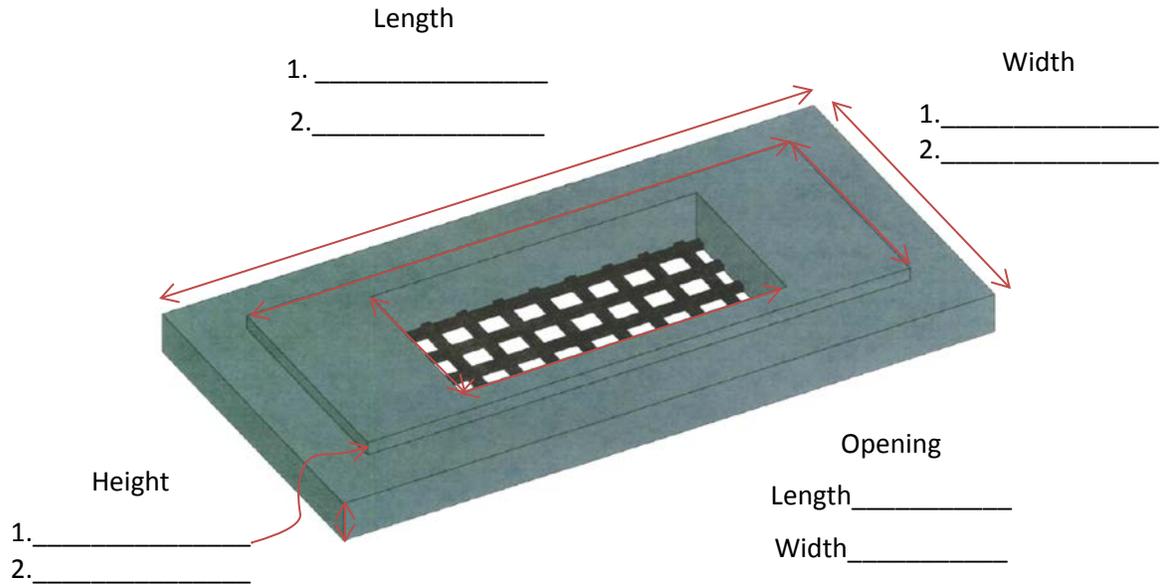
TDOT Regional Inspector(s): _____

Comments: _____

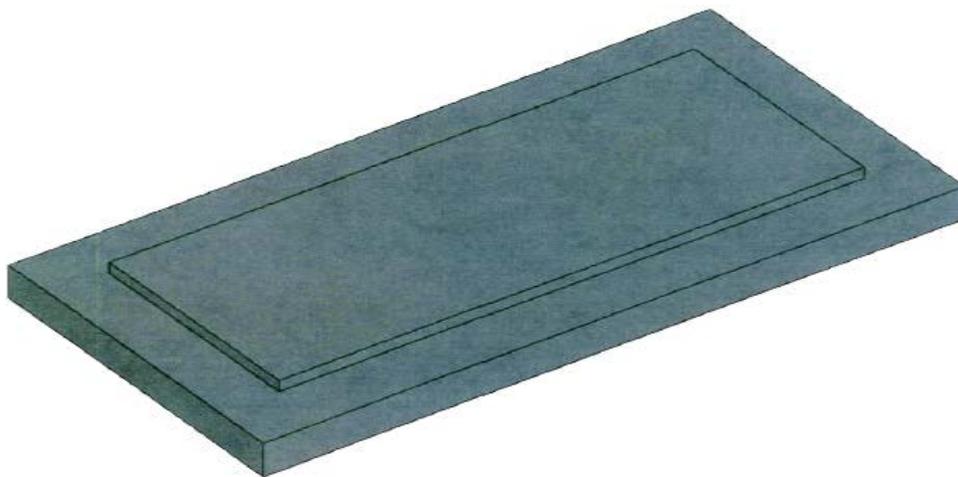
A.5 VERIFICATION OF DIMENSIONAL MEASUREMENT

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

A.6 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

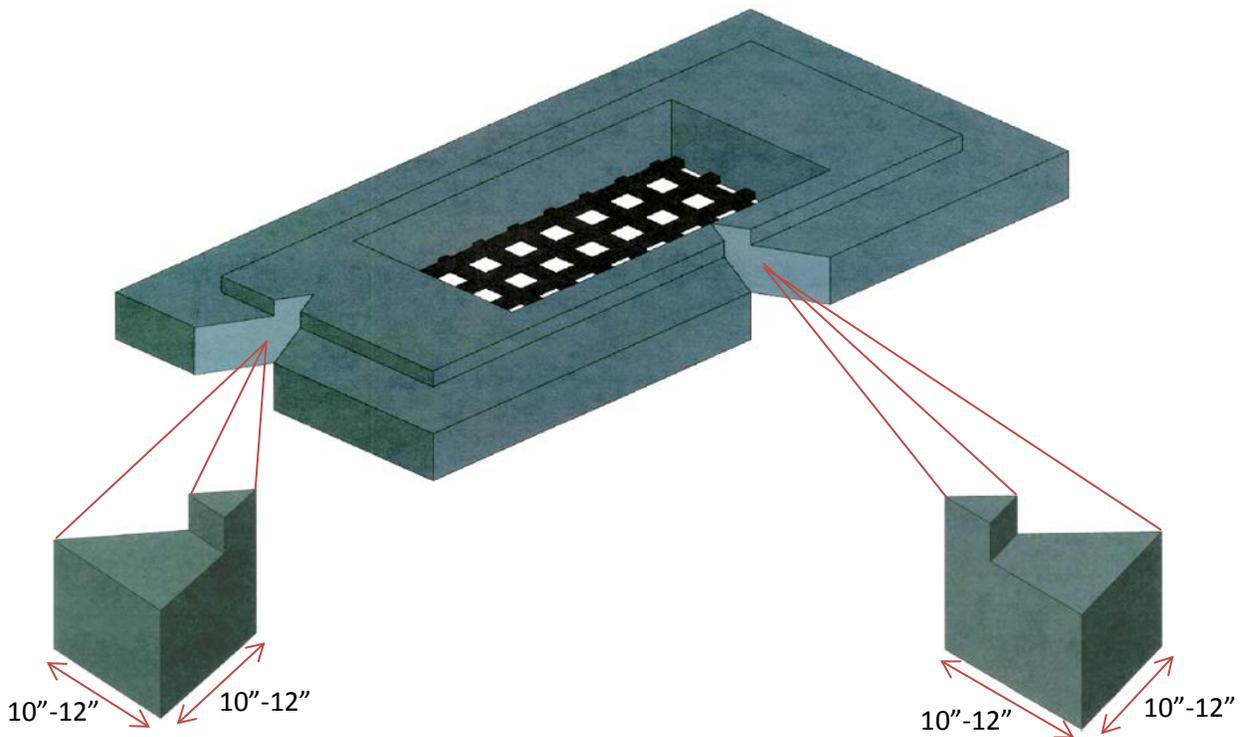
REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

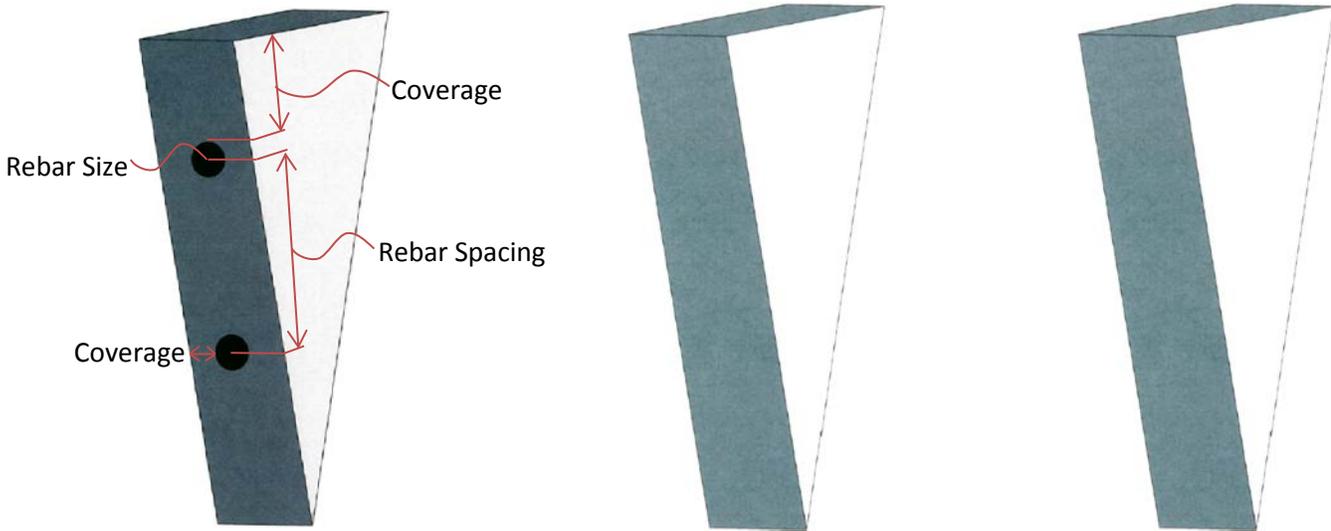
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

A.7 POSSIBLE LOCATION OF SAW CUTS



A.8 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

B. Square Concrete Data Sheet-Drainage Manhole

B.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

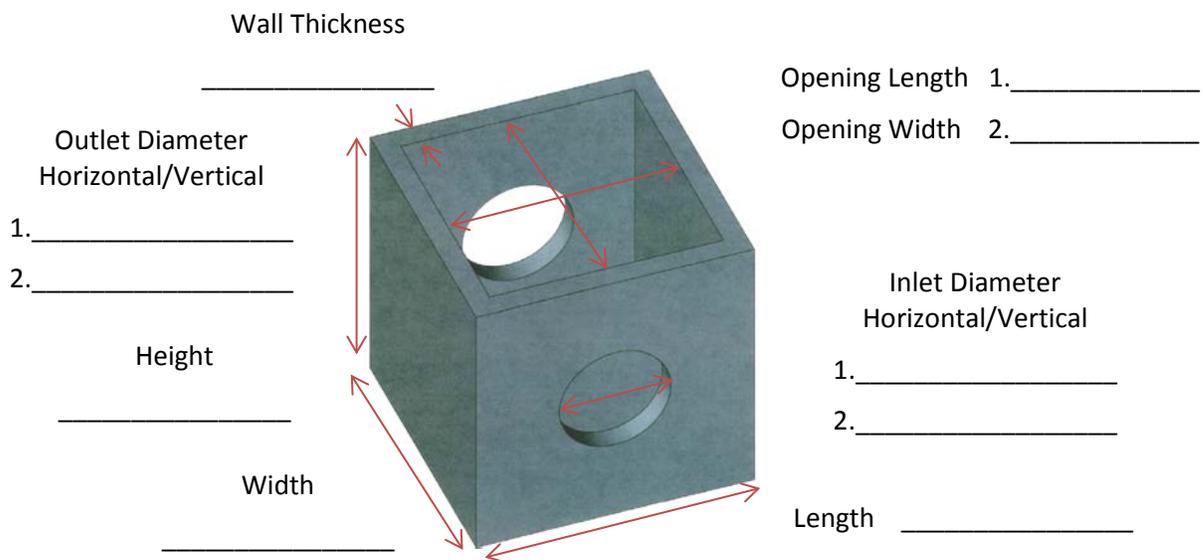
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

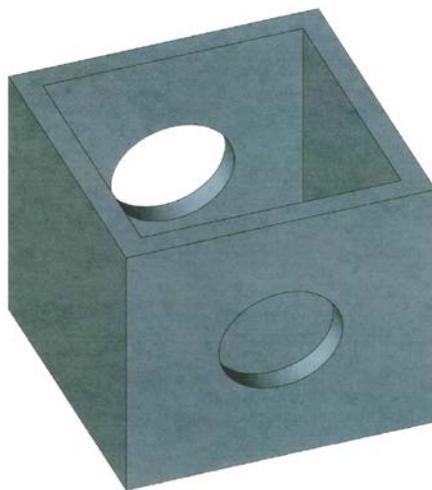
Date Produced: _____ Standard Drawing No.: _____

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

B.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

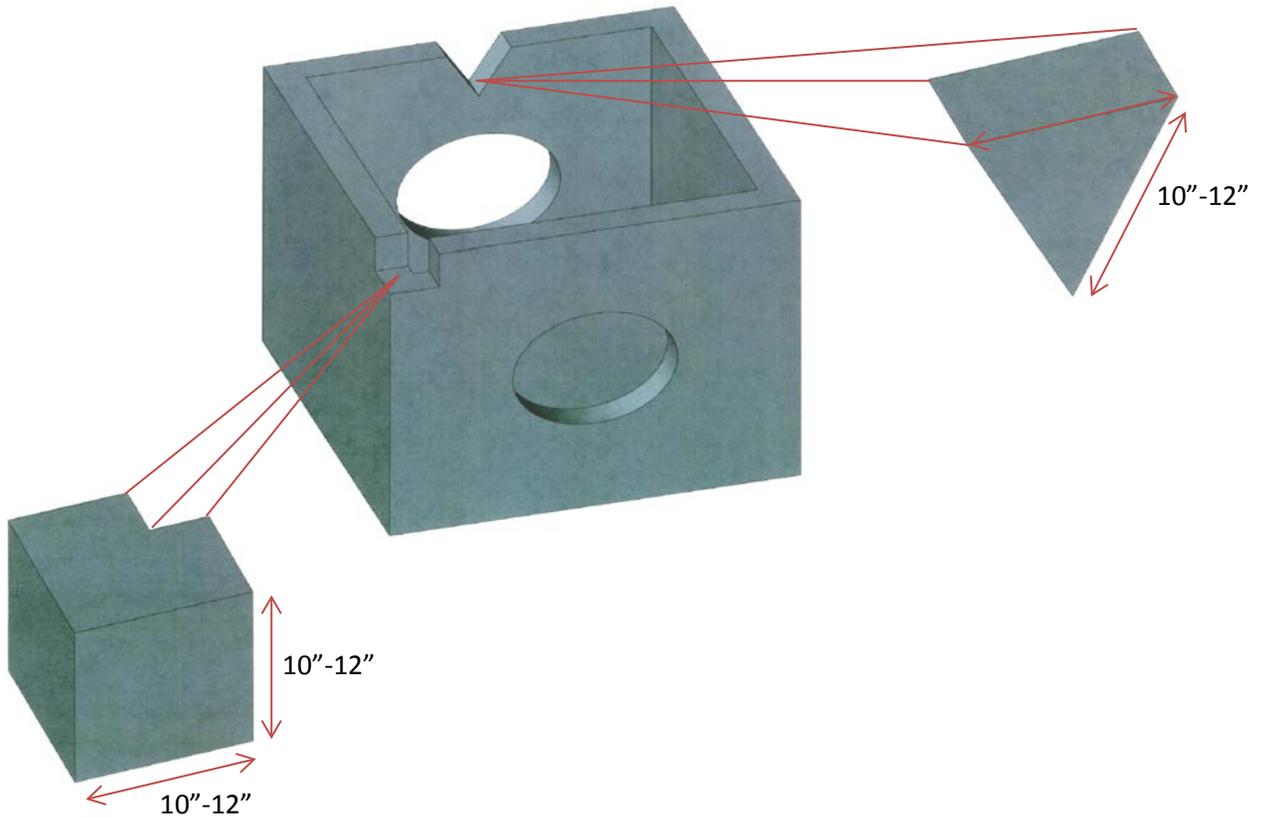
Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

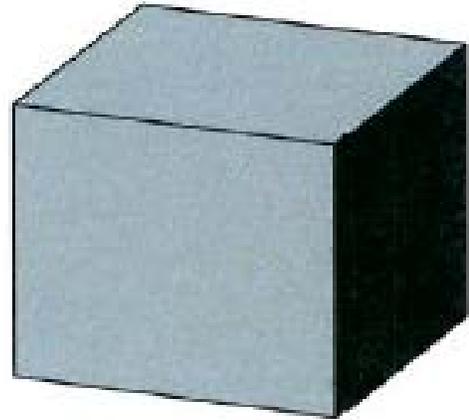
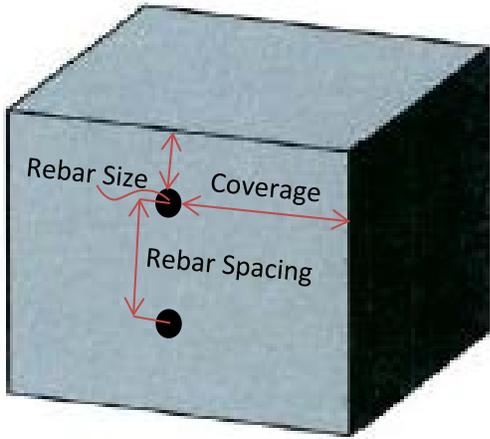
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

B.3 POSSIBLE LOCATION OF SAW CUTS

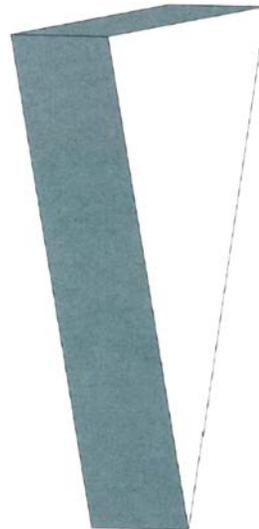
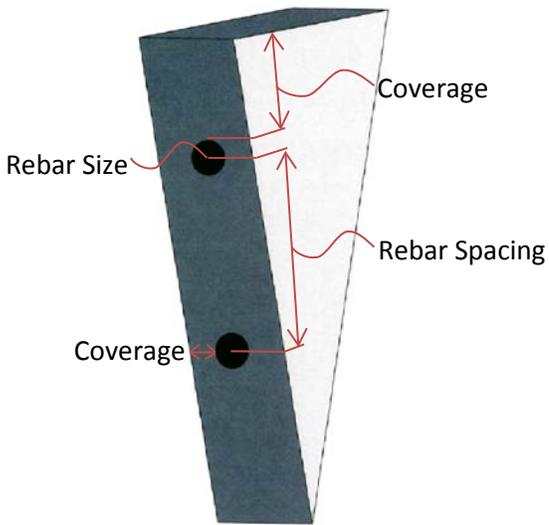


B.4 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

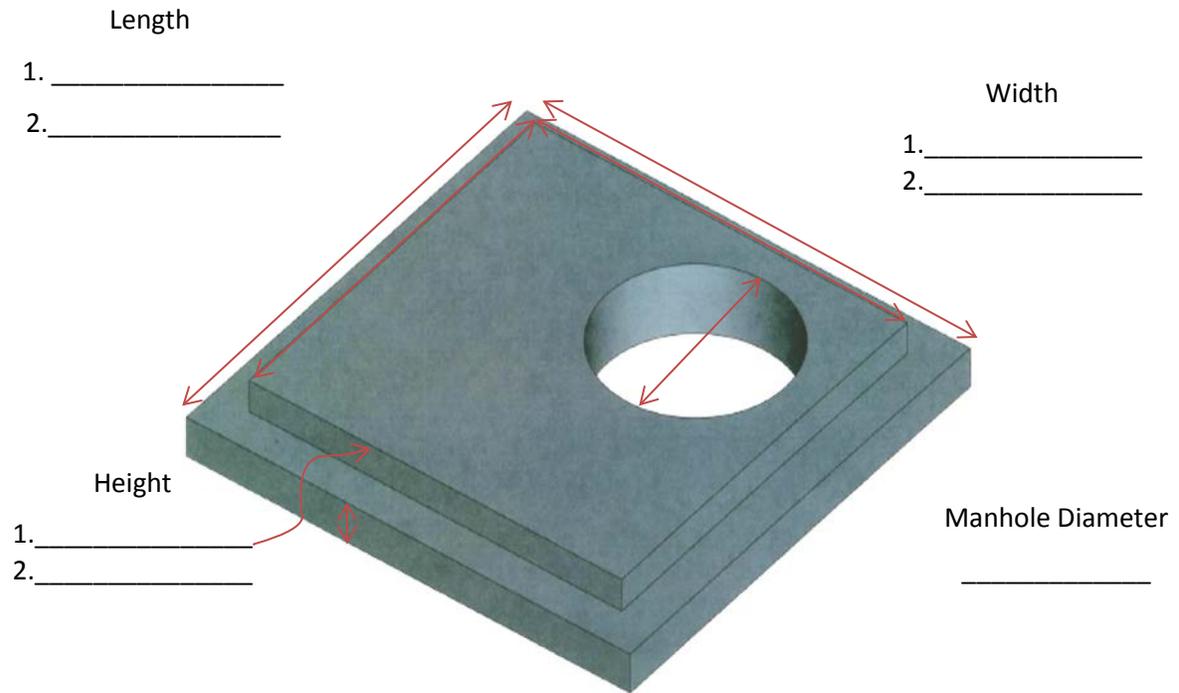
TDOT Regional Inspector(s): _____

Comments: _____

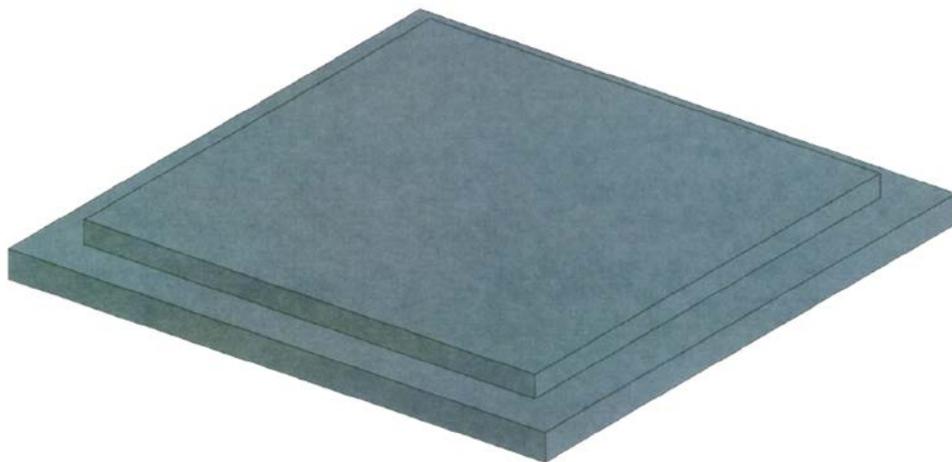
B.5 VERIFICATION OF DIMENSIONAL MEASUREMENT

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

B.6 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

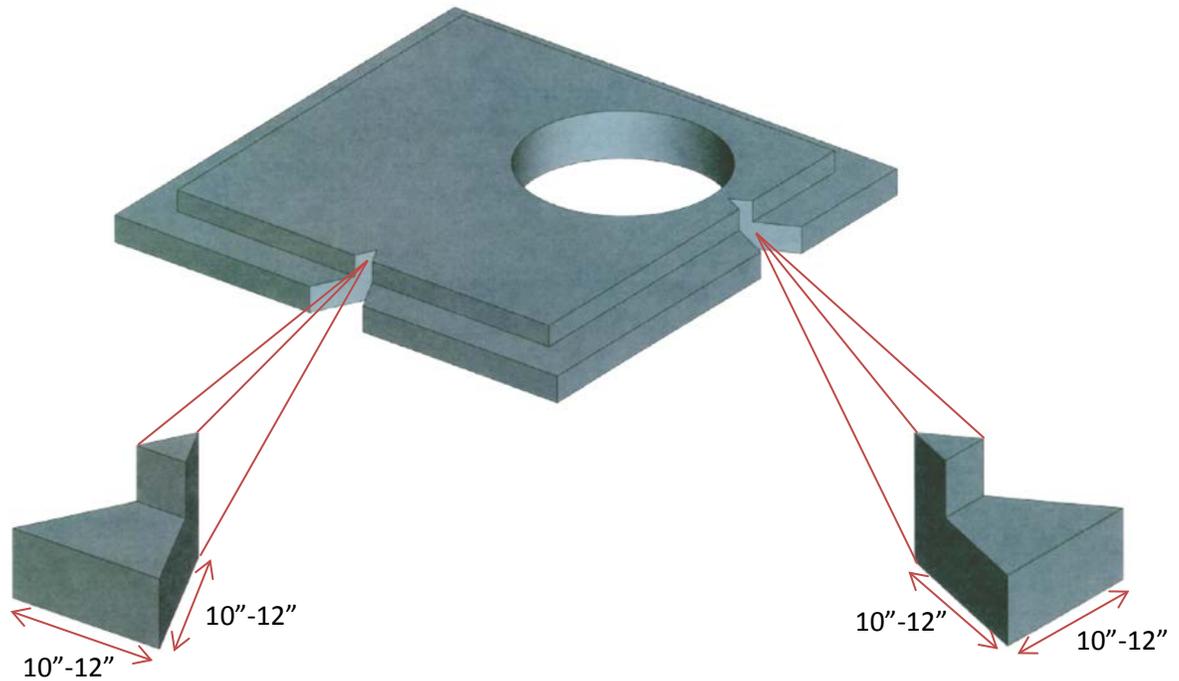
REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

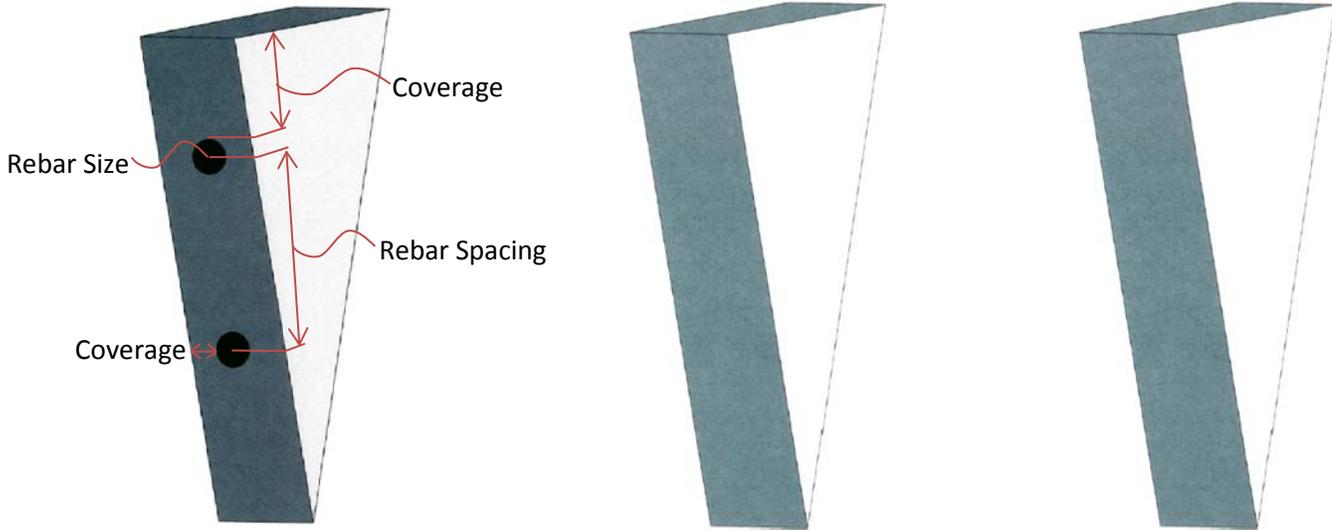
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

B.7 POSSIBLE LOCATION OF SAW CUTS



B.8 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

C. Endwall Data Sheet

C.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

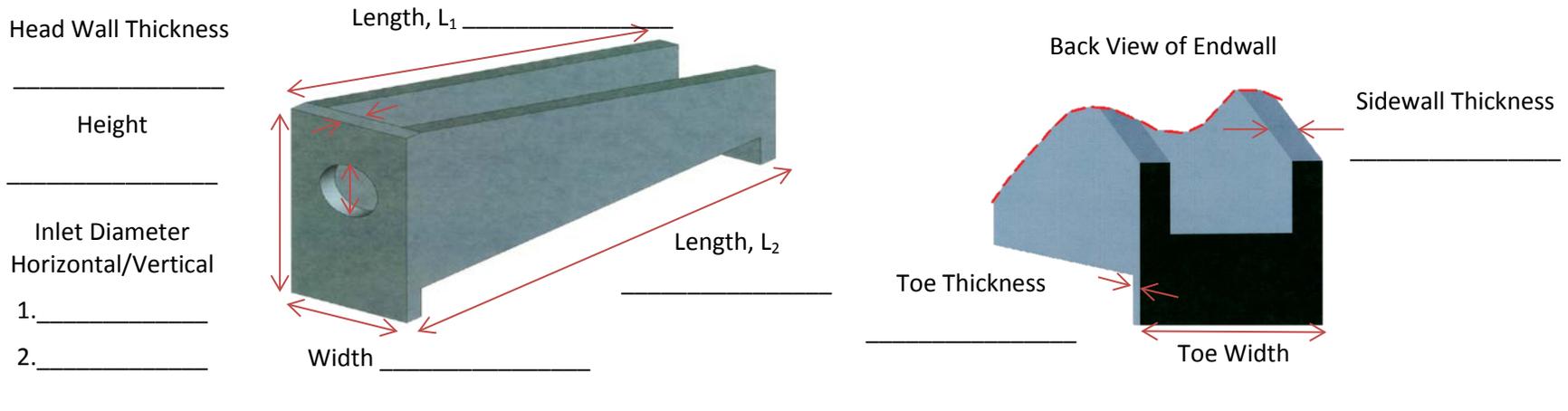
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

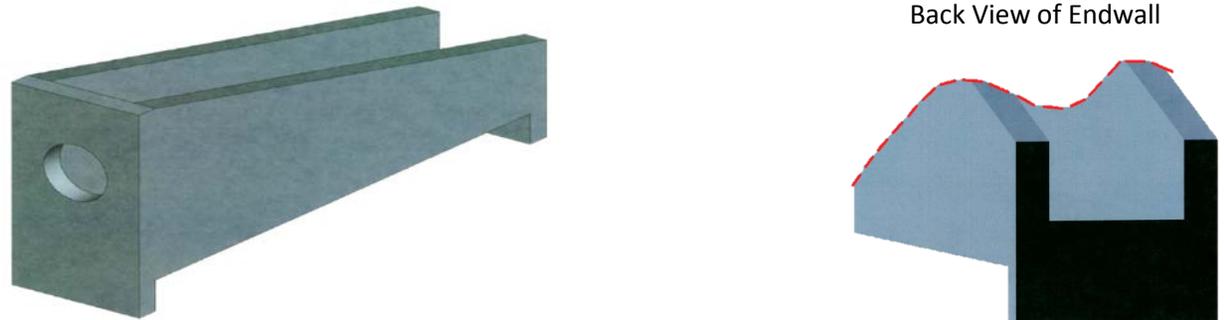
Date Produced: _____ Standard Drawing No.: _____

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All measurements shall be reported to 1/16"

C.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

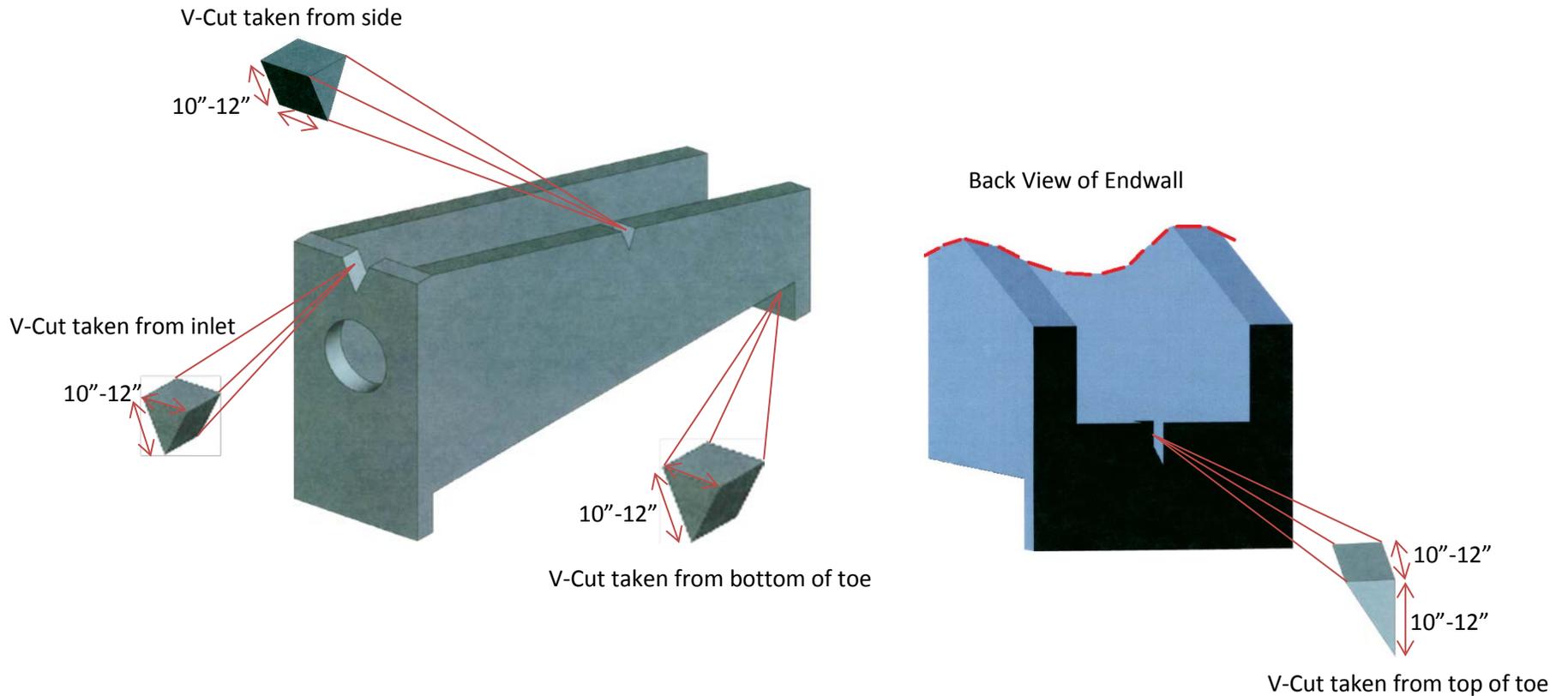
Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

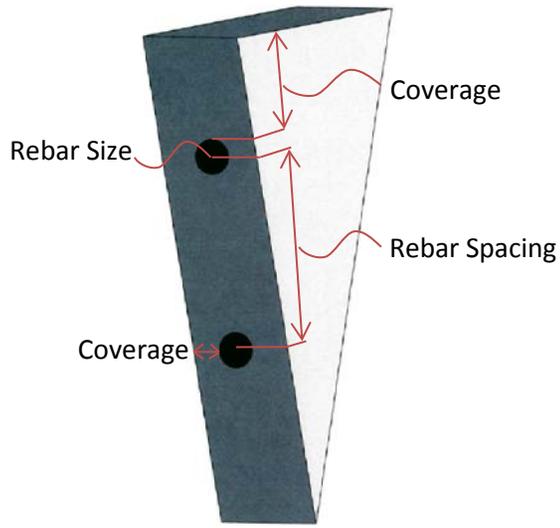
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

C.3 POSSIBLE LOCATION OF SAW CUTS

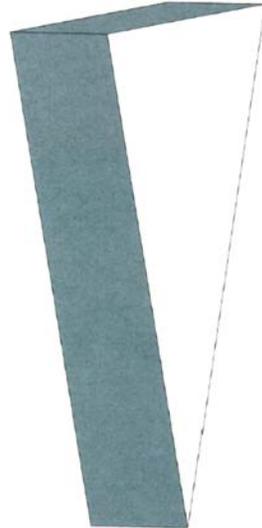


C.4 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

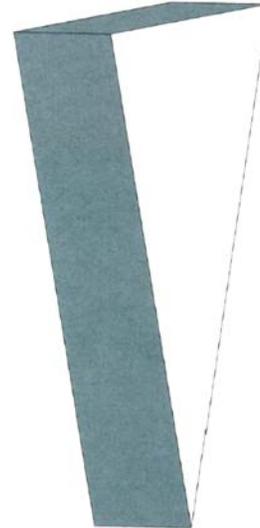
DOCUMENT ALL MEASUREMENTS BELOW



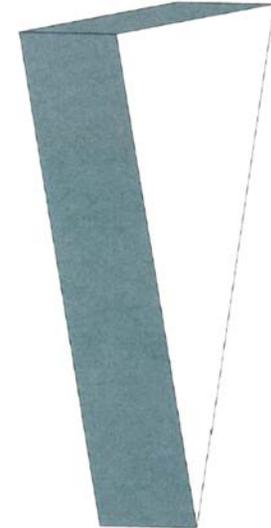
Example



Cut No.1



Cut No.2



Cut No.3

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

D. Square Concrete Data Sheet-Drainage Junction Box

D.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

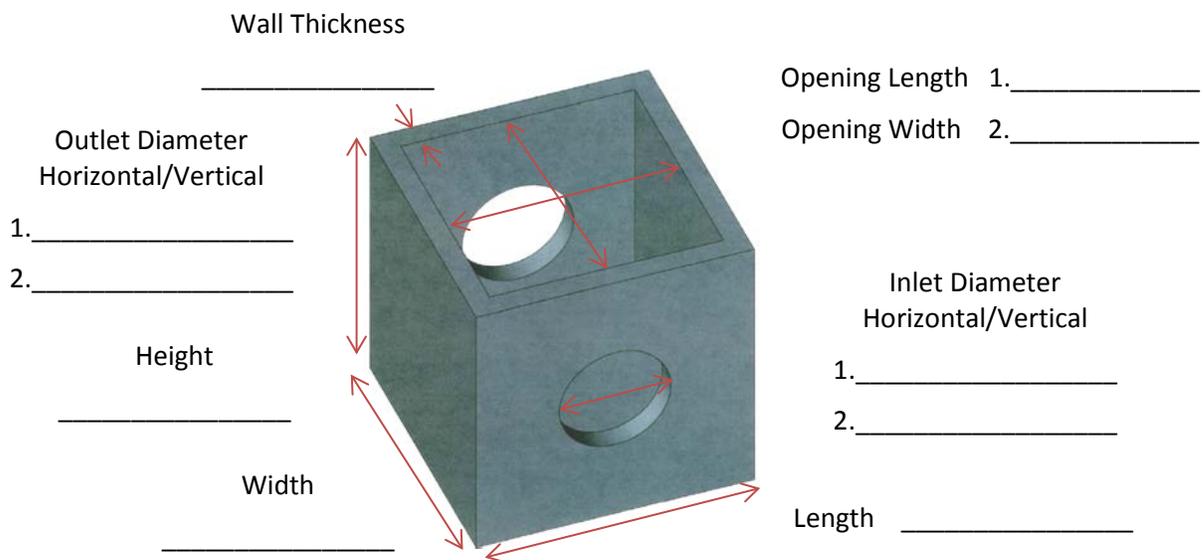
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

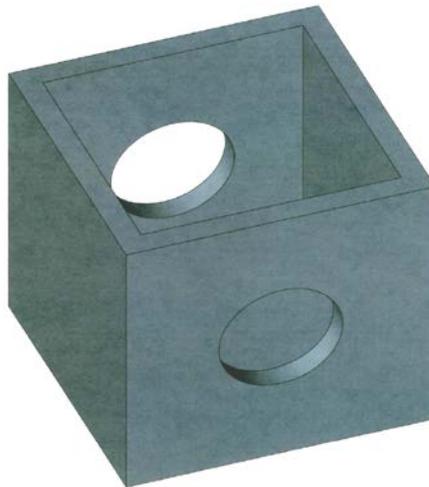
Date Produced: _____ Standard Drawing No.: _____

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

D.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

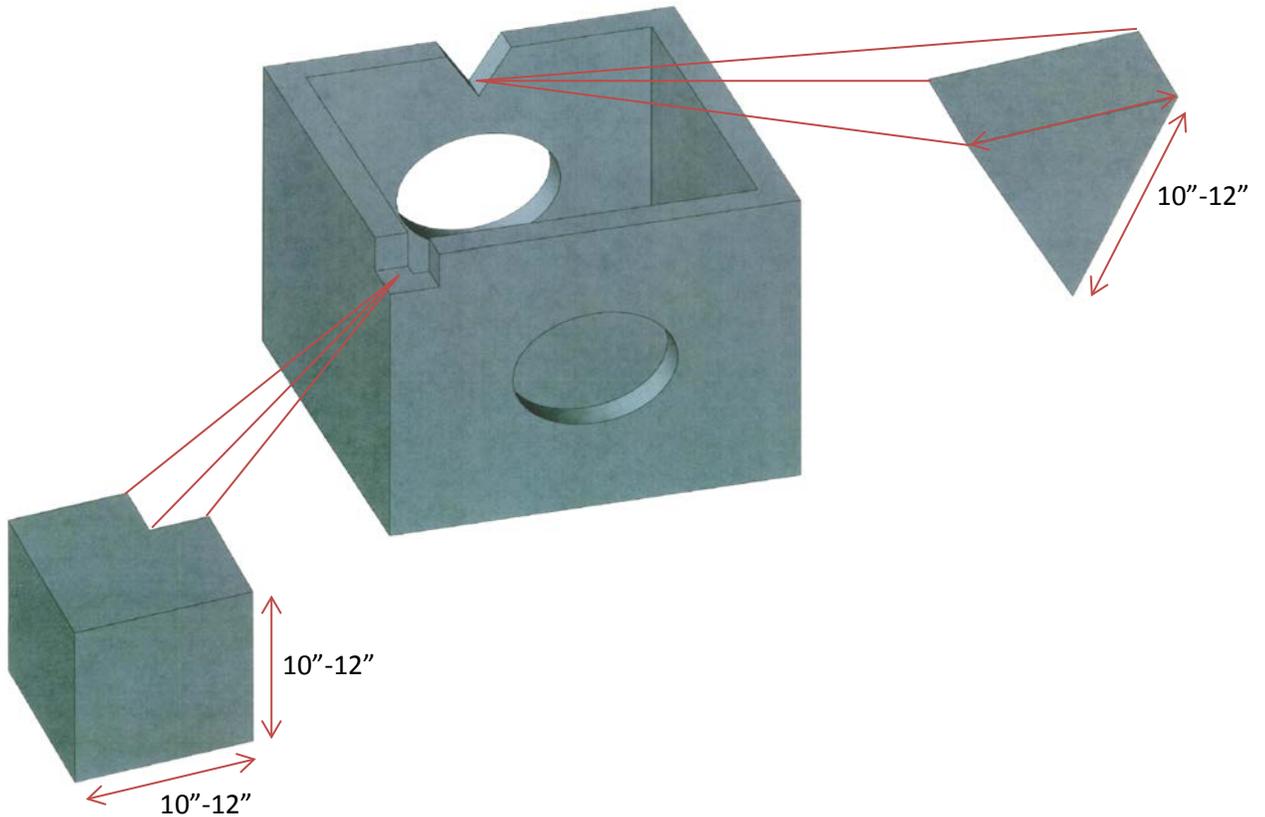
Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

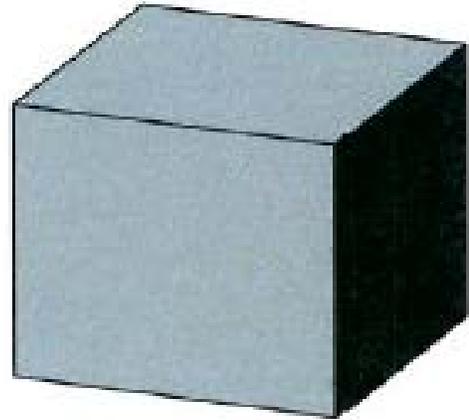
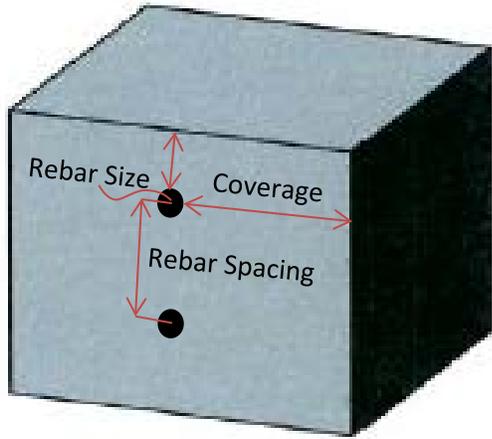
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

D.3 POSSIBLE LOCATION OF SAW CUTS

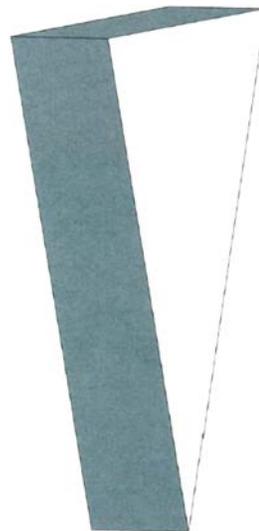
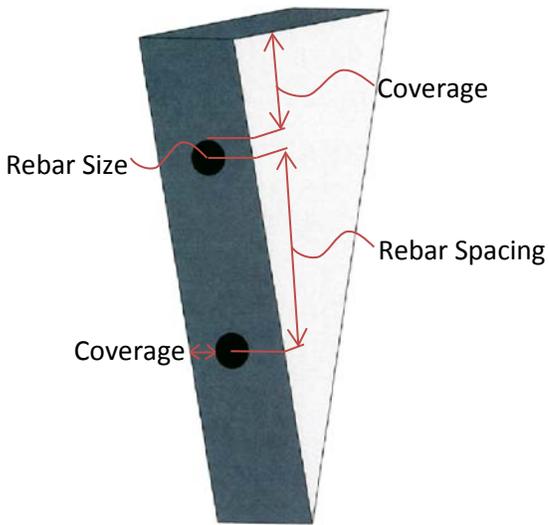


D.4 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

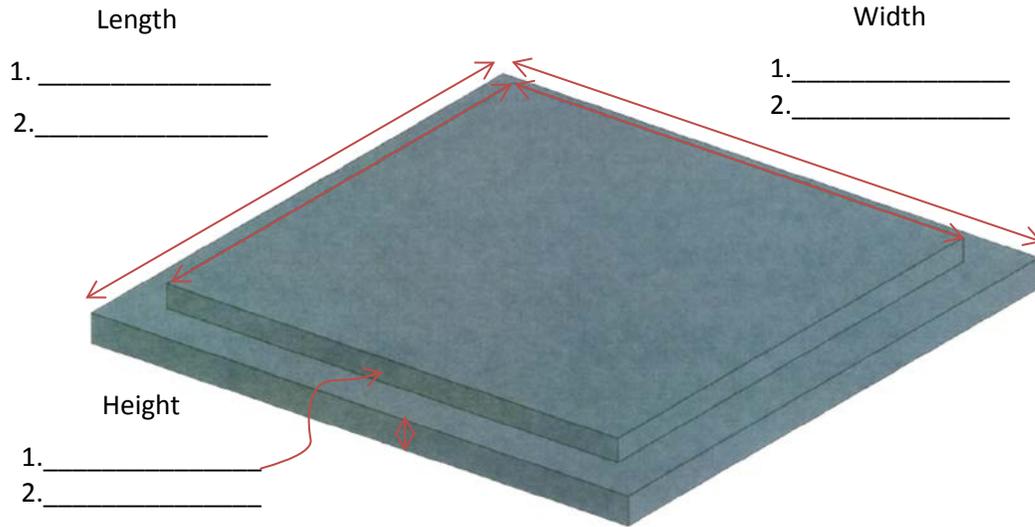
TDOT Regional Inspector(s): _____

Comments: _____

D.5 VERIFICATION OF DIMENSIONAL MEASUREMENT

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

D.6 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

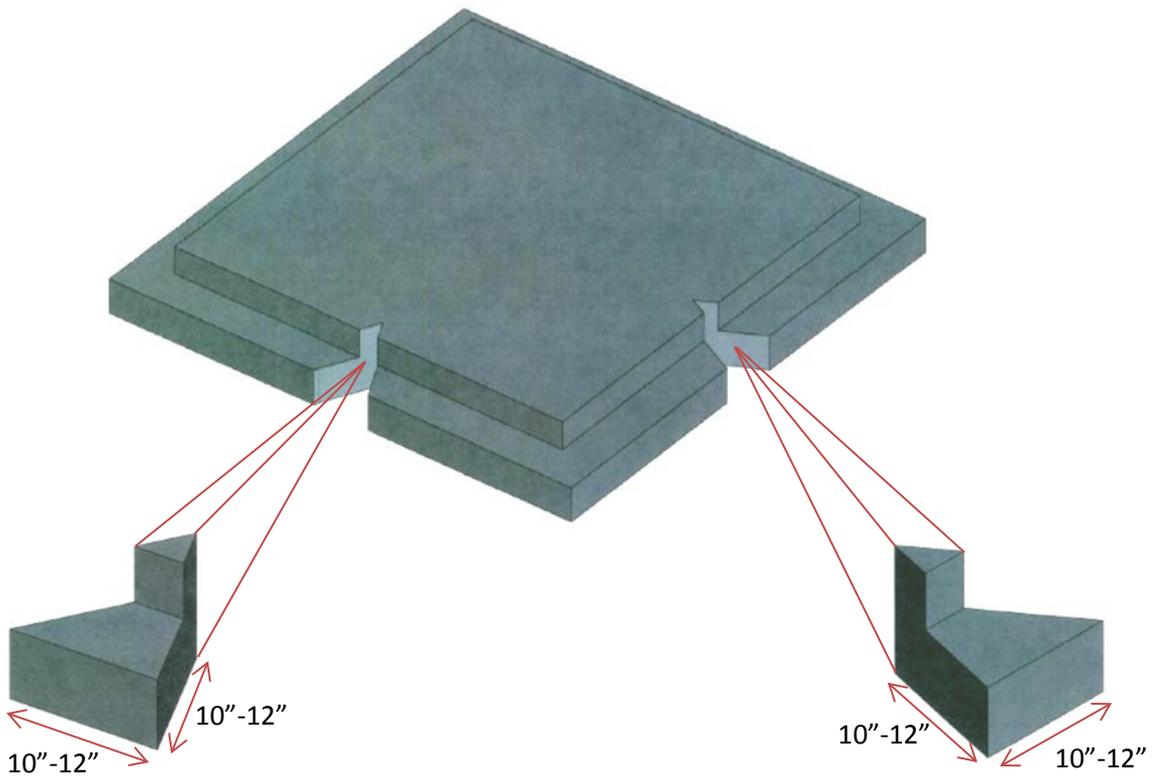
REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

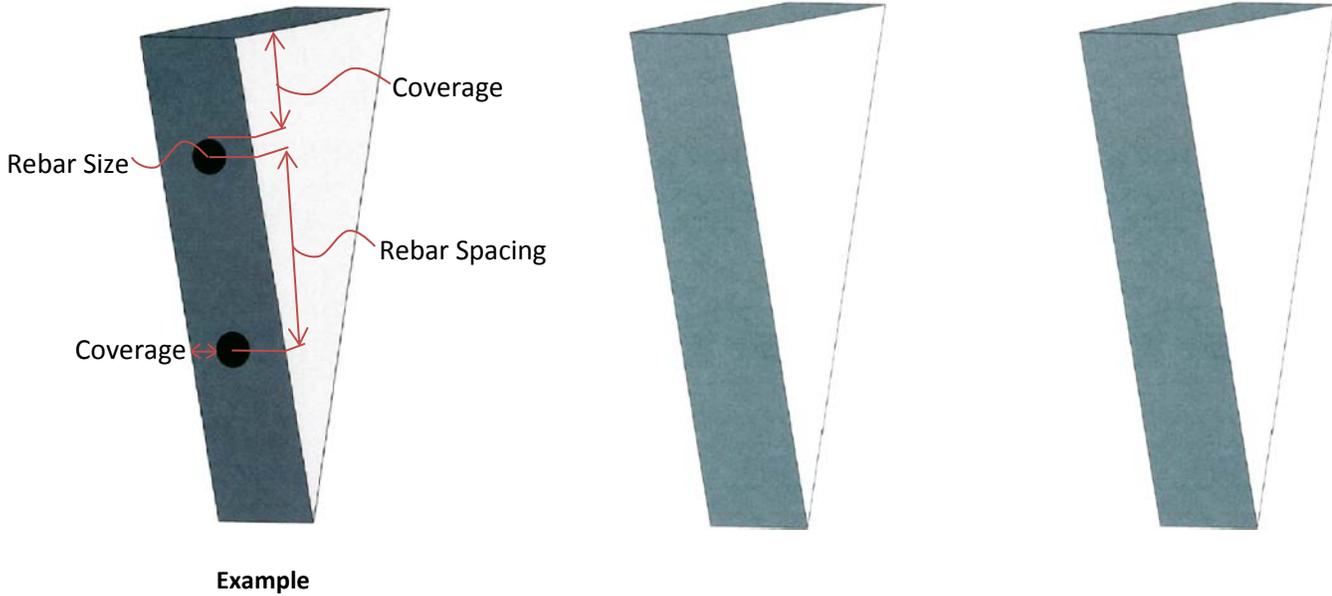
COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

D.7 POSSIBLE LOCATION OF SAW CUTS



D.8 CONFIRM REBAR SIZE, SPACING, AND COVERAGE
DOCUMENT ALL MEASUREMENTS BELOW



Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

E. Square Concrete Data Sheet-Drainage Spring Box

E.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

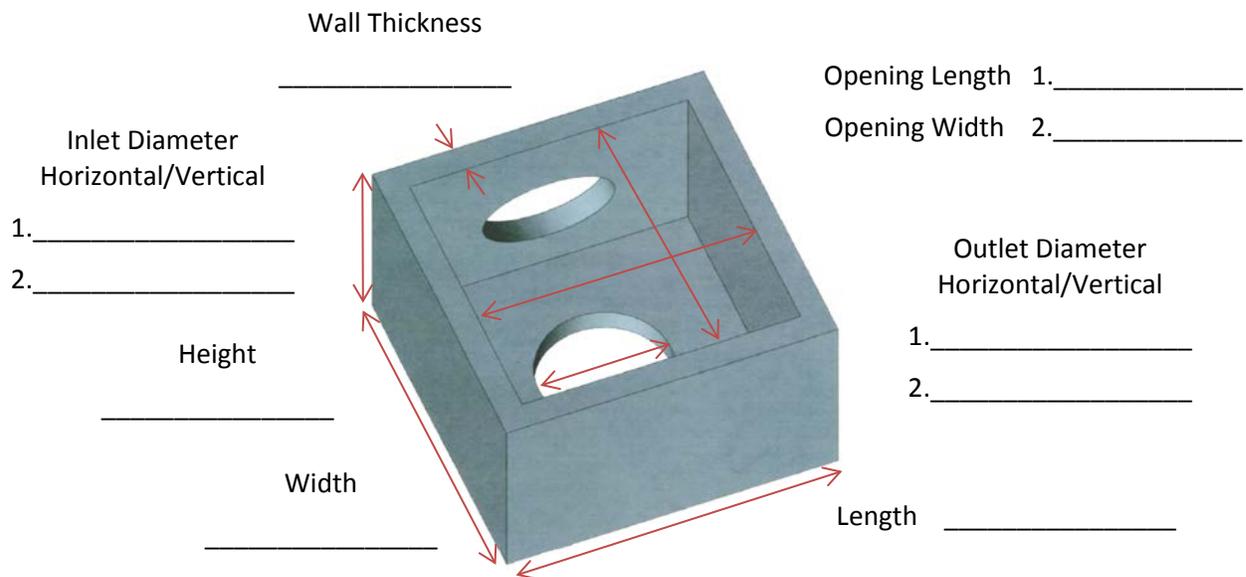
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

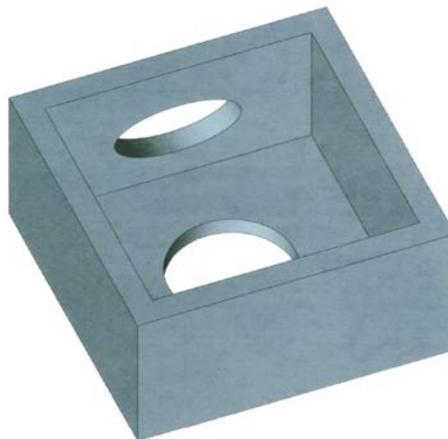
Date Produced: _____ Standard Drawing No.: _____

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

E.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

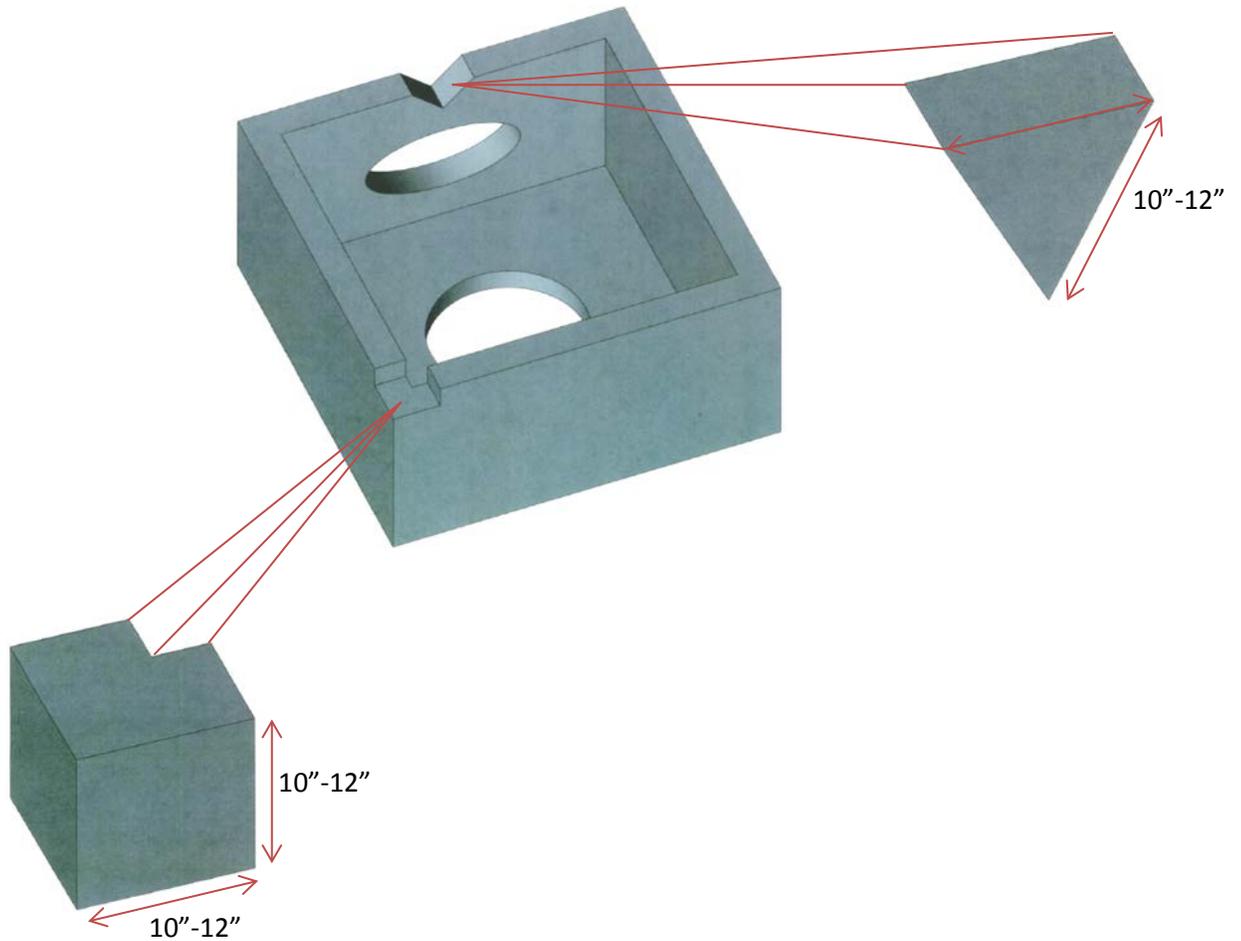
Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

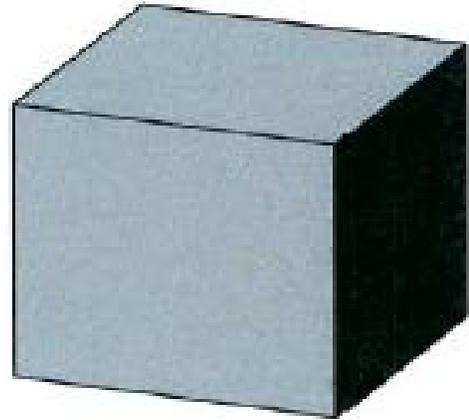
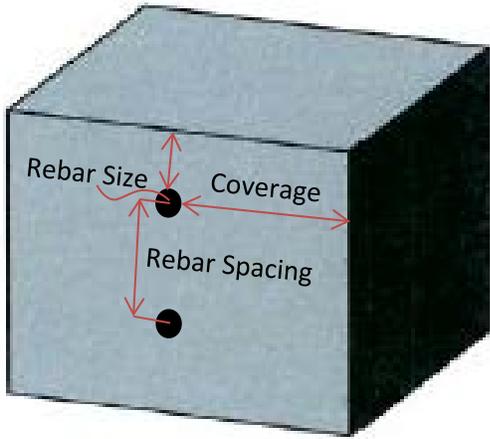
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

E.3 POSSIBLE LOCATION OF SAW CUTS

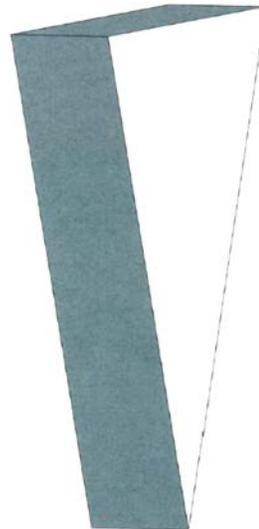
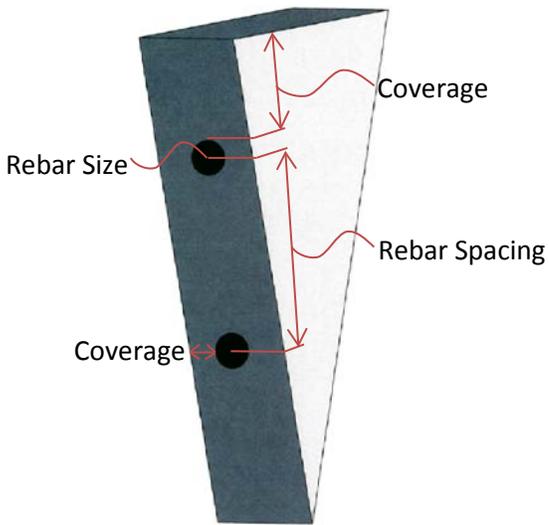


E.4 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

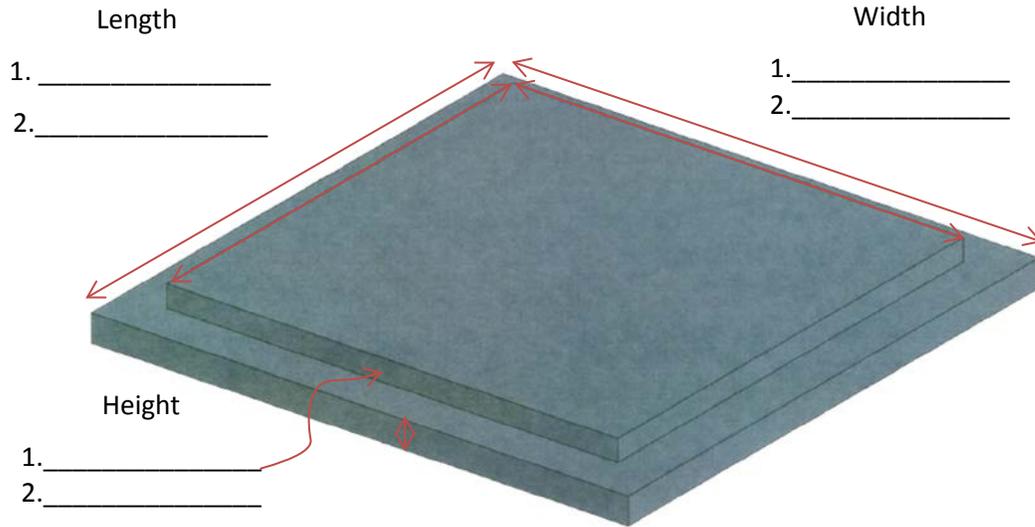
TDOT Regional Inspector(s): _____

Comments: _____

E.5 VERIFICATION OF DIMENSIONAL MEASUREMENT

Verification of Measurements:

NOT TO SCALE



Note: If selected structure is different from above, sketch and verify measurements below



Note: All Measurements shall be reported to 1/16"

E.6 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

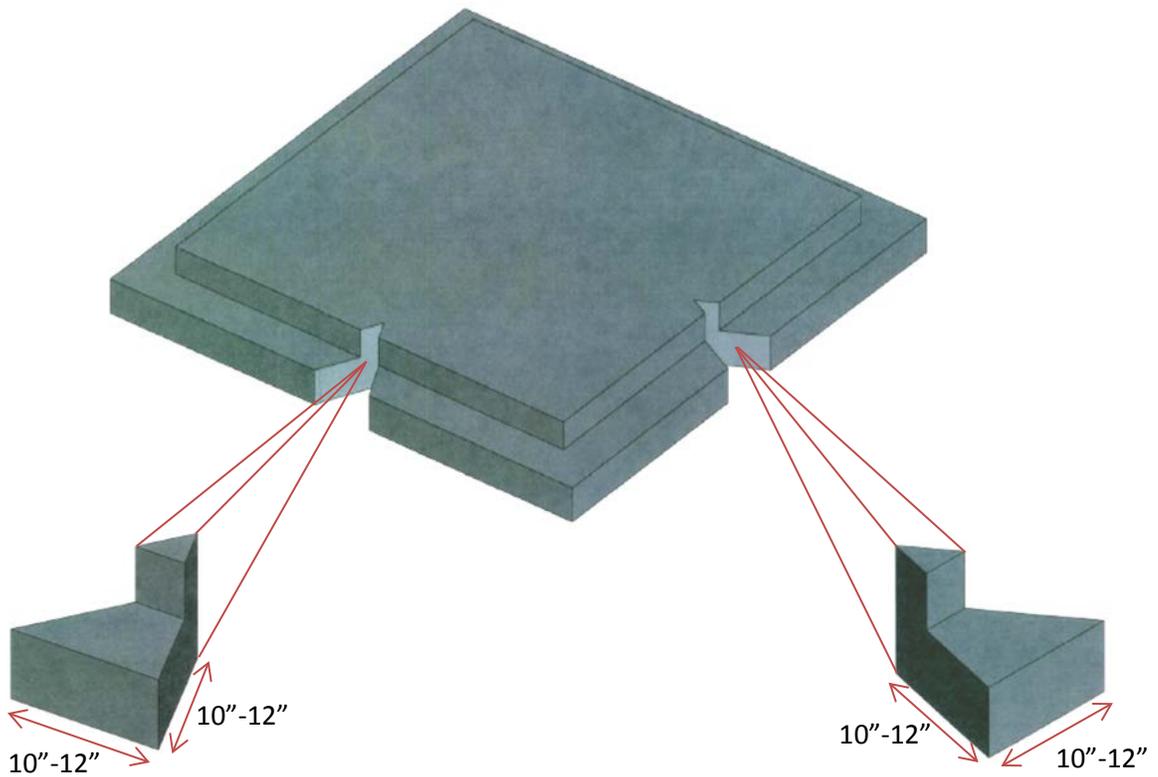
REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

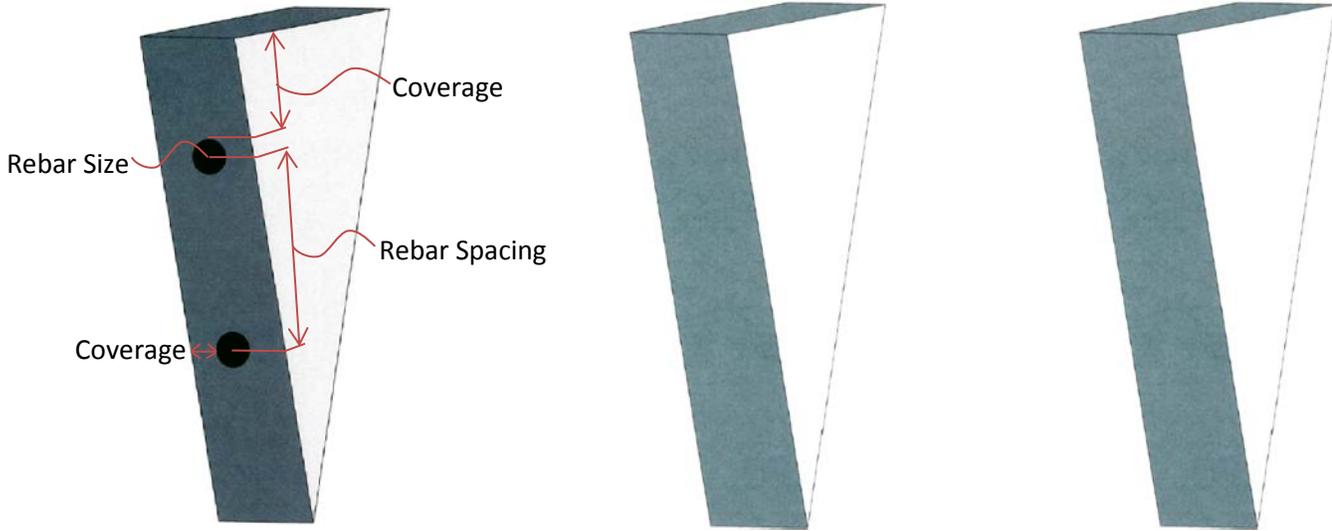
Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

E.7 POSSIBLE LOCATION OF SAW CUTS



E.8 CONFIRM REBAR SIZE, SPACING, AND COVERAGE

DOCUMENT ALL MEASUREMENTS BELOW



Example

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

F. Standard Precast Circular Concrete Data Sheet-Drainage Catch Basin

F.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

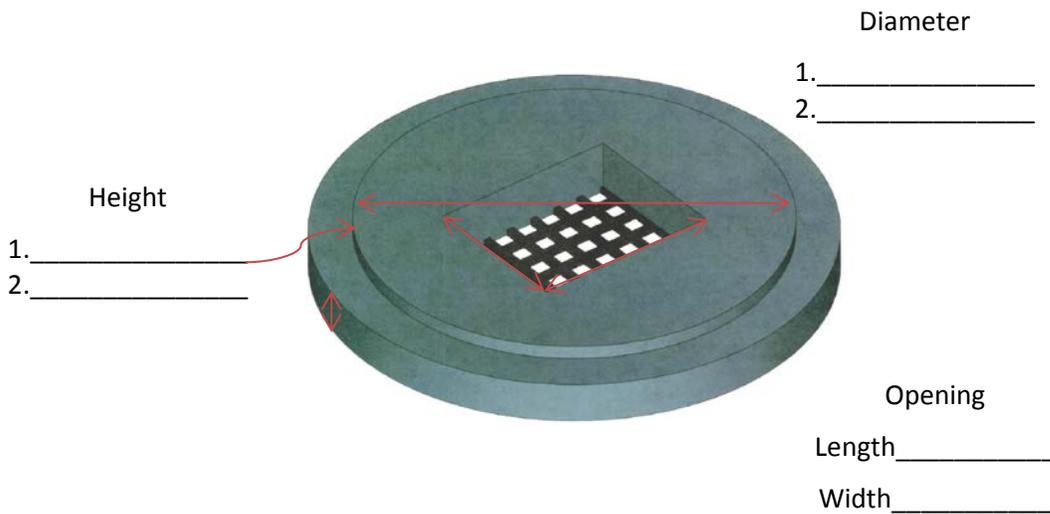
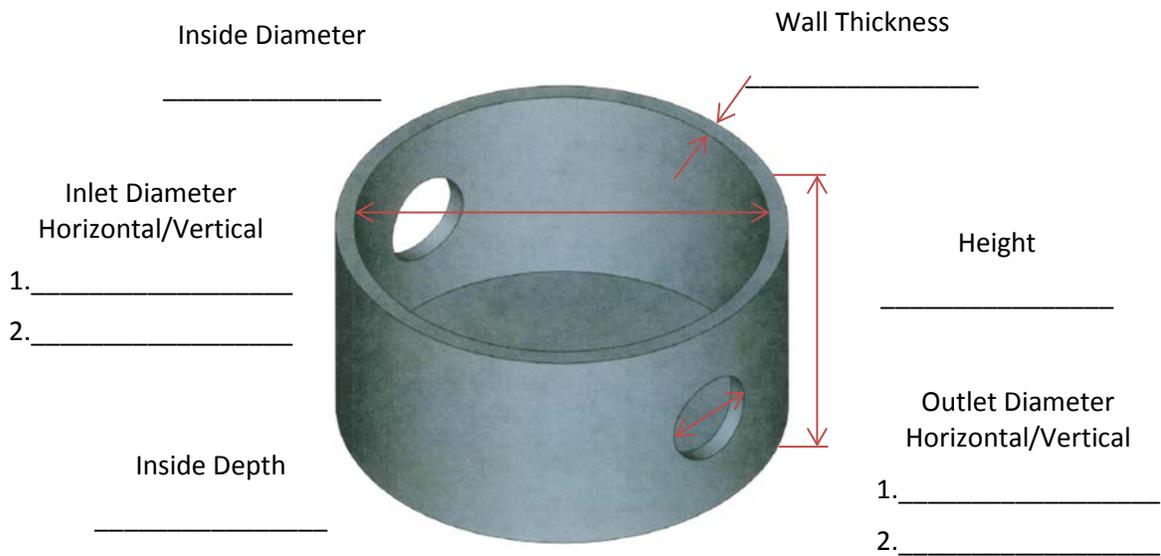
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

Date Produced: _____ Standard Drawing No.: _____

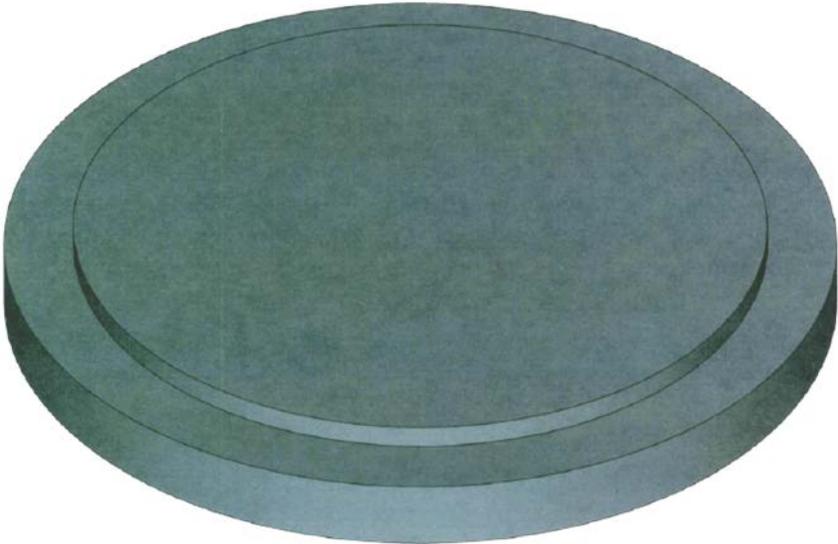
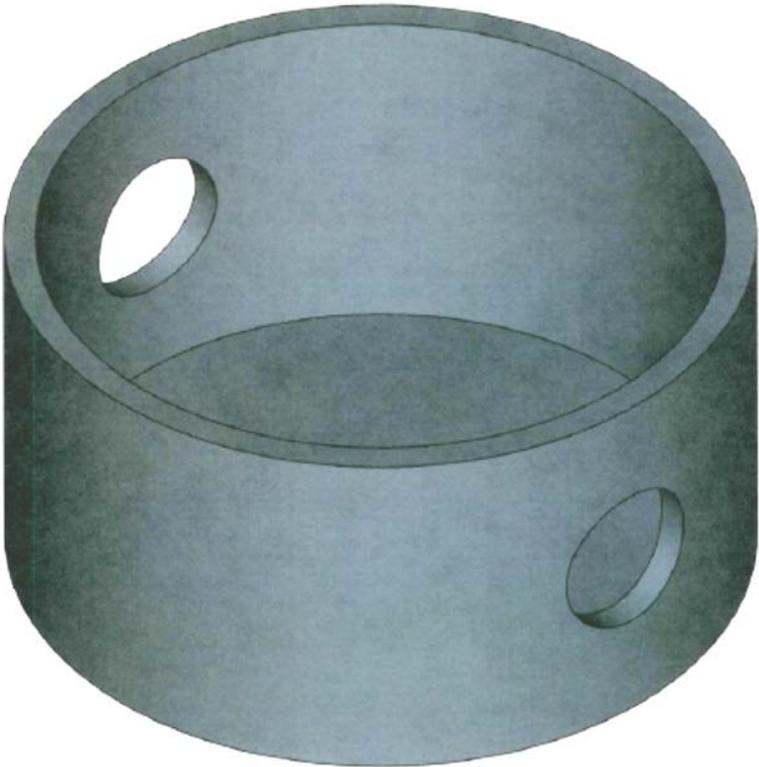
Verification of Measurements:

NOT TO SCALE



Note: All Measurements shall be reported to 1/16"

Note: If selected structure is different from above, sketch and verify reinforcement below



F.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Base

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Lid

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

G. Standard Precast Circular Concrete Data Sheet-Drainage Manhole

G.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

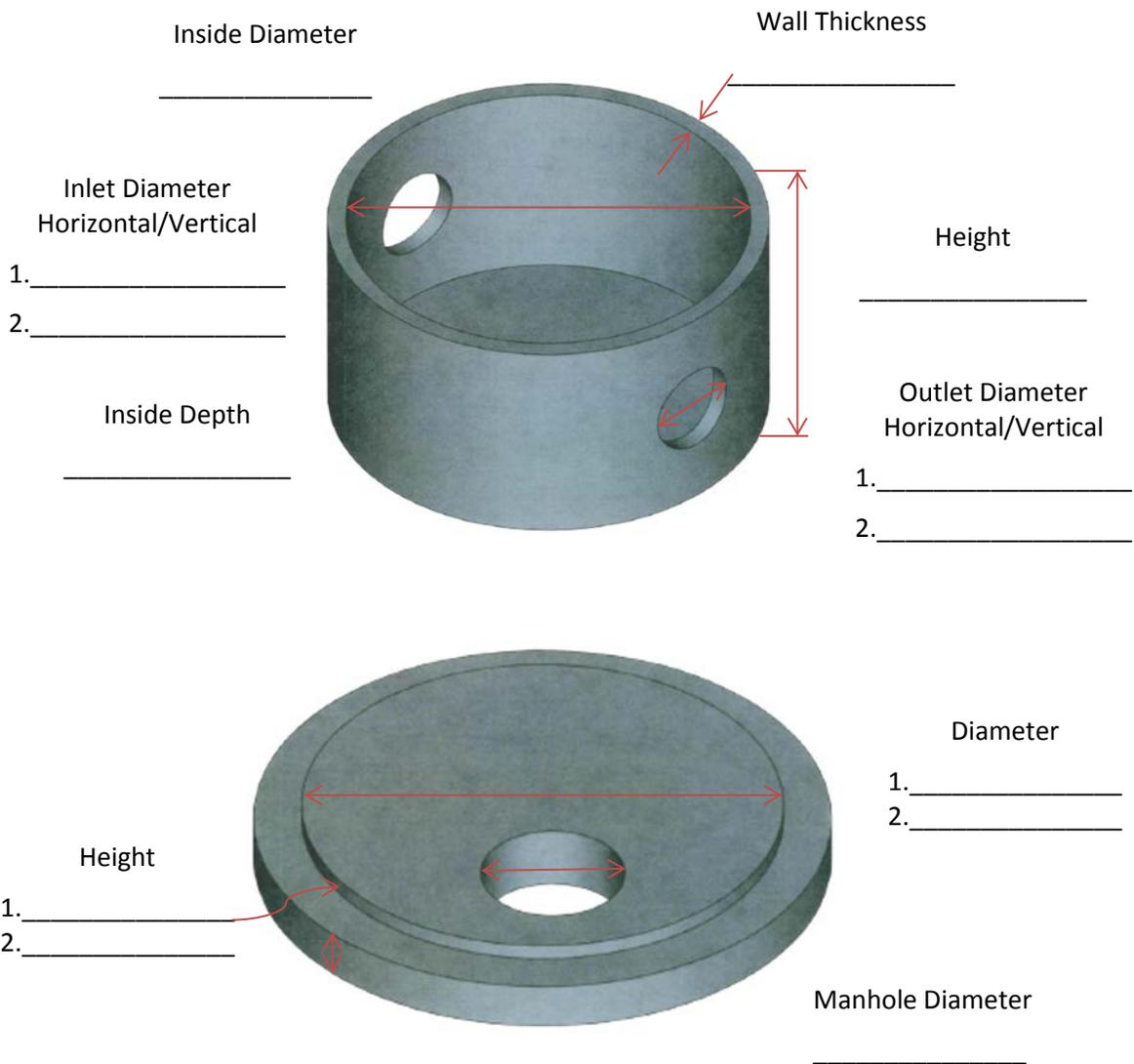
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

Date Produced: _____ Standard Drawing No.: _____

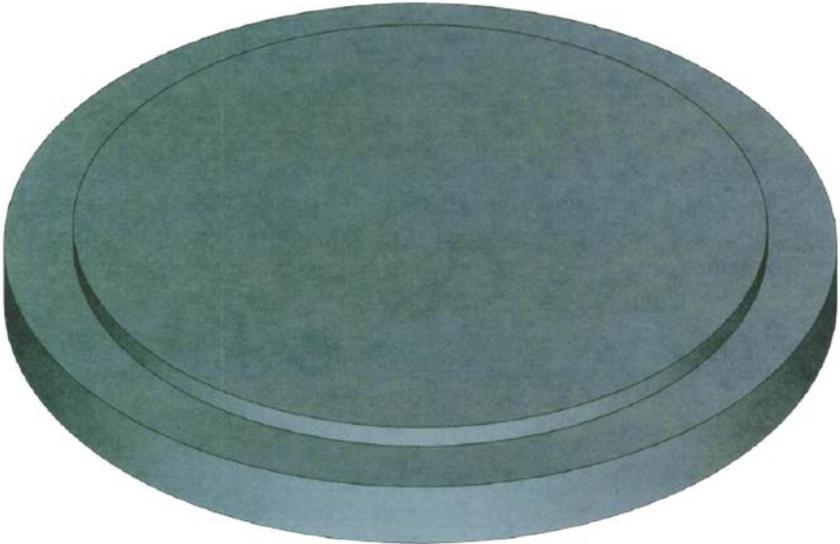
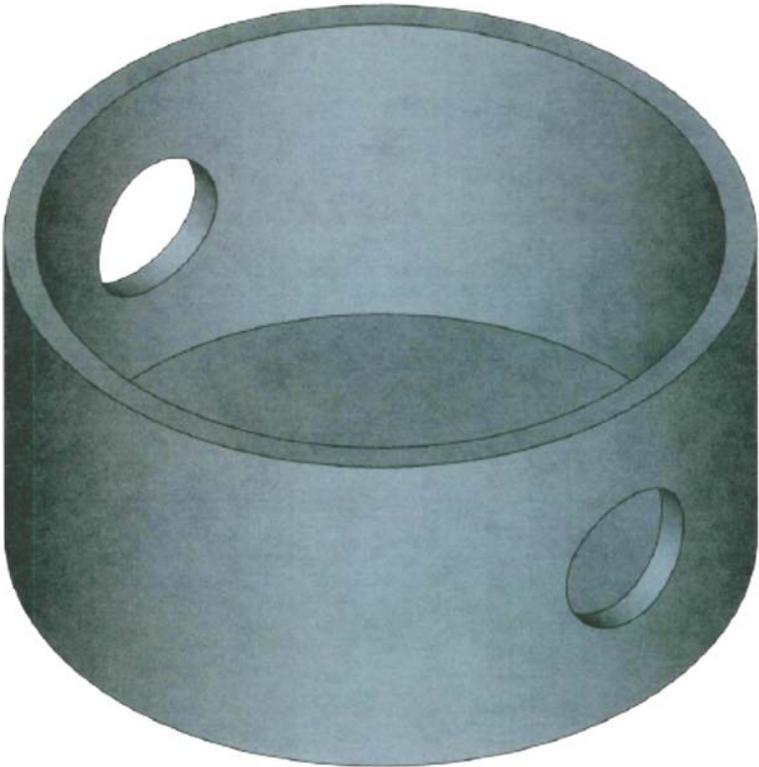
Verification of Measurements:

NOT TO SCALE



Note: All Measurements shall be reported to 1/16"

Note: If selected structure is different from above, sketch and verify reinforcement below



G.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Base

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Lid

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

H. Standard Precast Circular Concrete Data Sheet-Drainage Junction Box

H.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

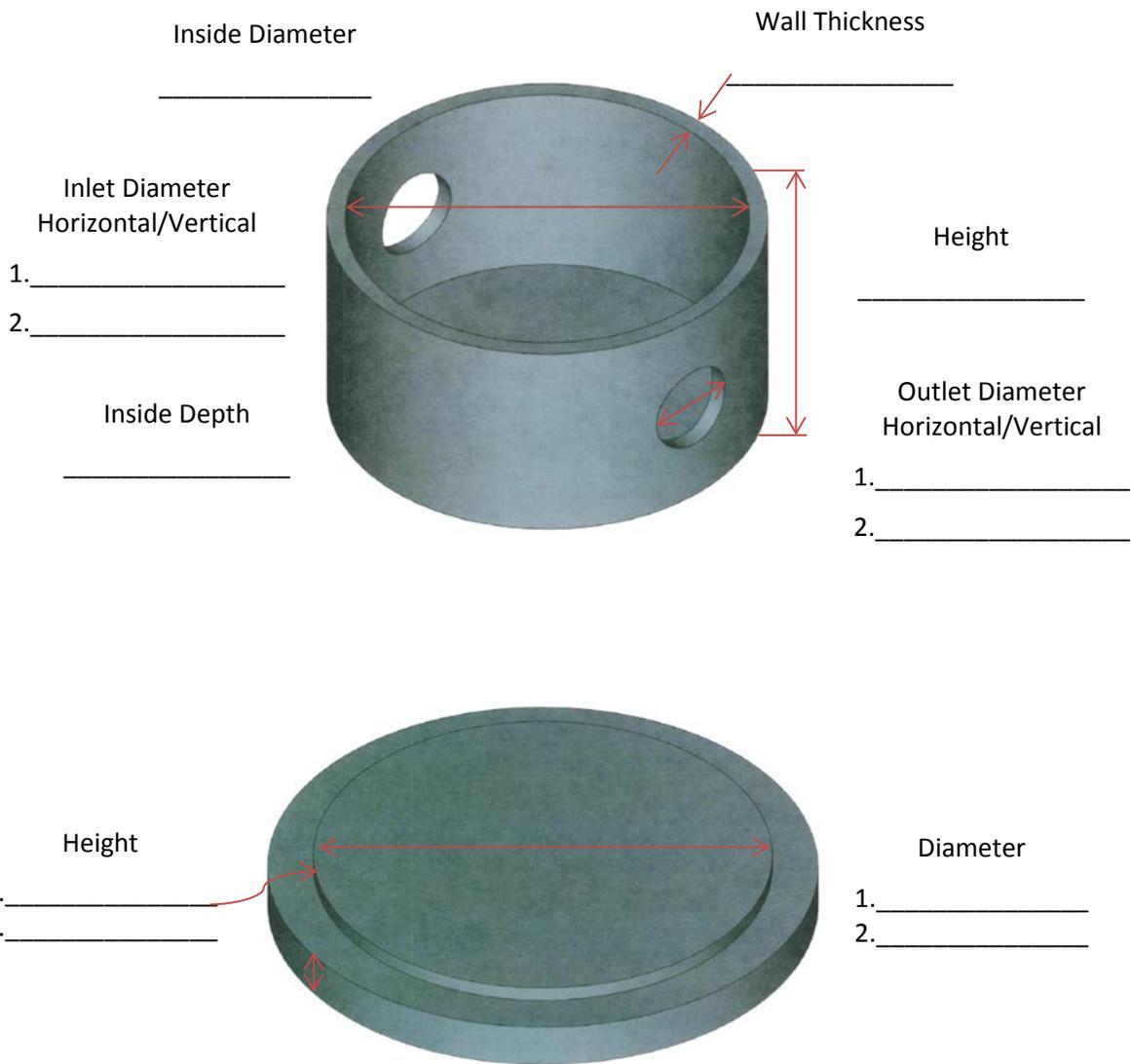
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

Date Produced: _____ Standard Drawing No.: _____

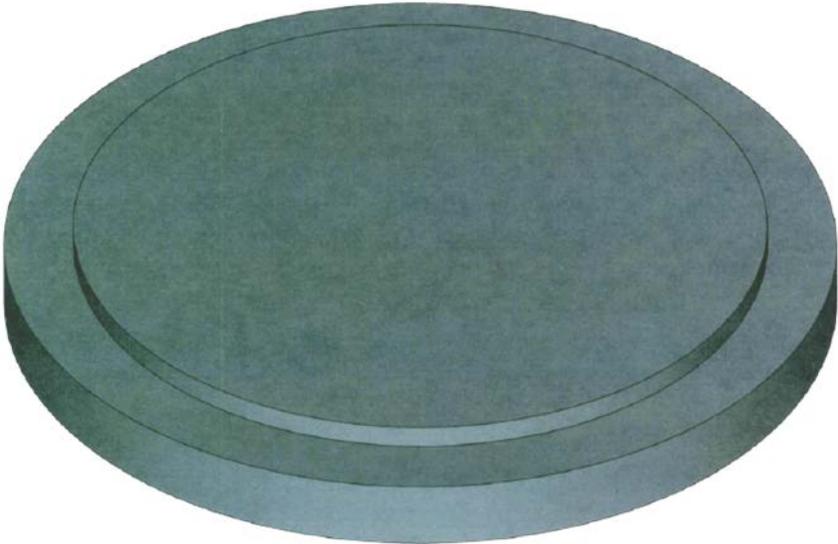
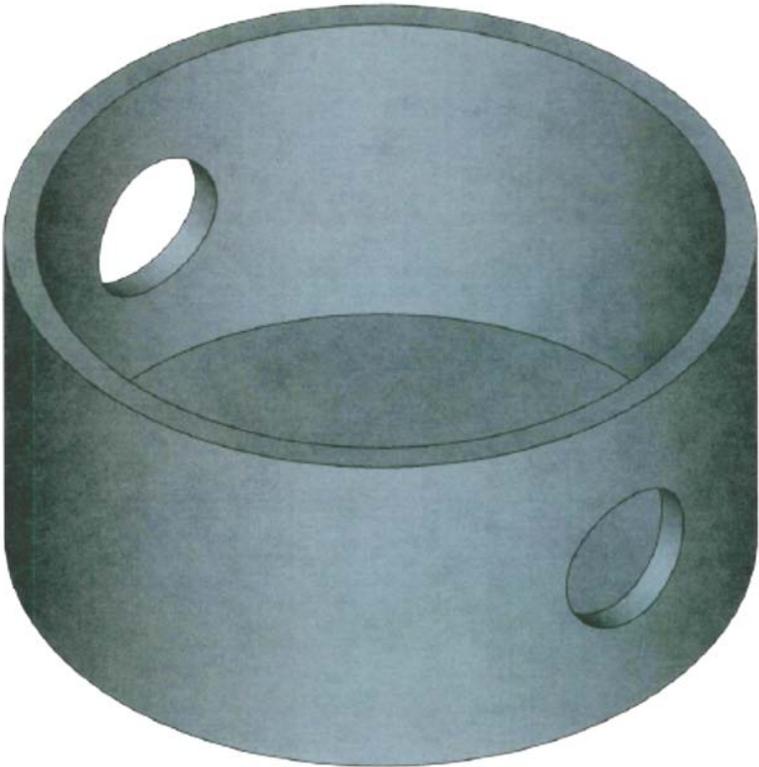
Verification of Measurements:

NOT TO SCALE



Note: All Measurements shall be reported to 1/16"

Note: If selected structure is different from above, sketch and verify reinforcement below



H.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Base

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Lid

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____

I. Standard Precast Circular Concrete Data Sheet-Drainage Spring Box

I.1 VERIFICATION OF DIMENSIONAL MEASUREMENT

Region: _____ Date of Inspection: _____

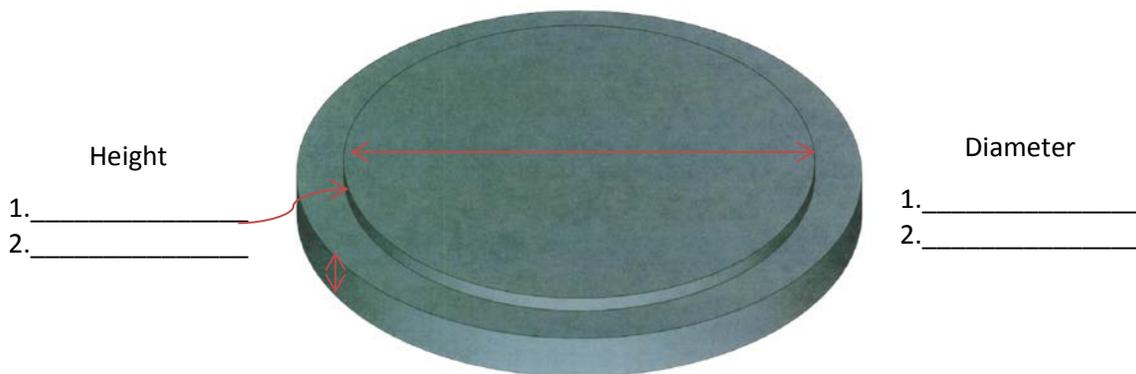
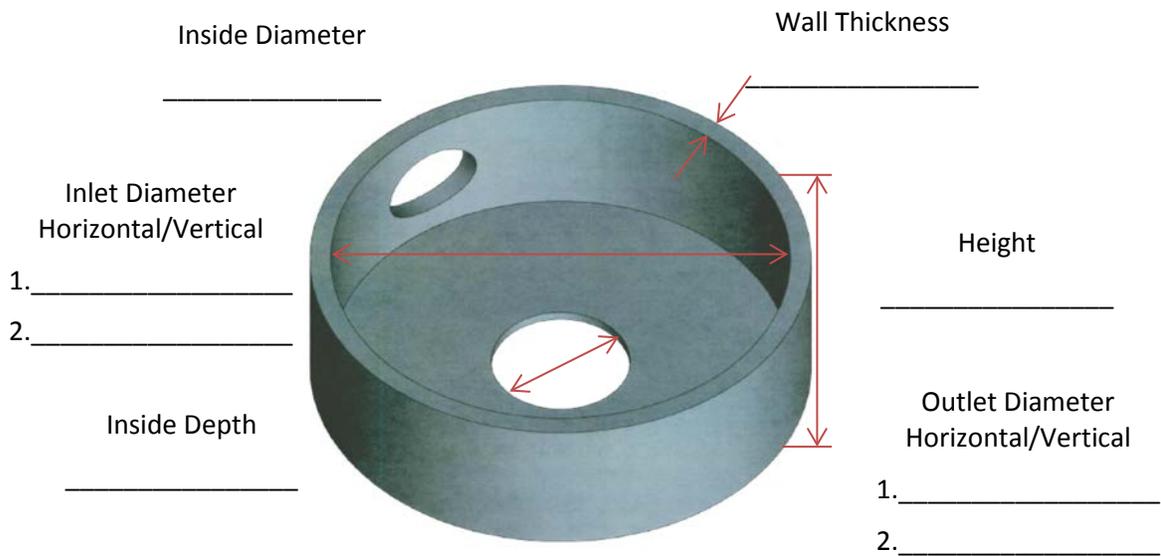
Manufacturer Name: _____ Manufacturer or Project Location: _____

Type of Structure: _____ Contract No.: _____

Date Produced: _____ Standard Drawing No.: _____

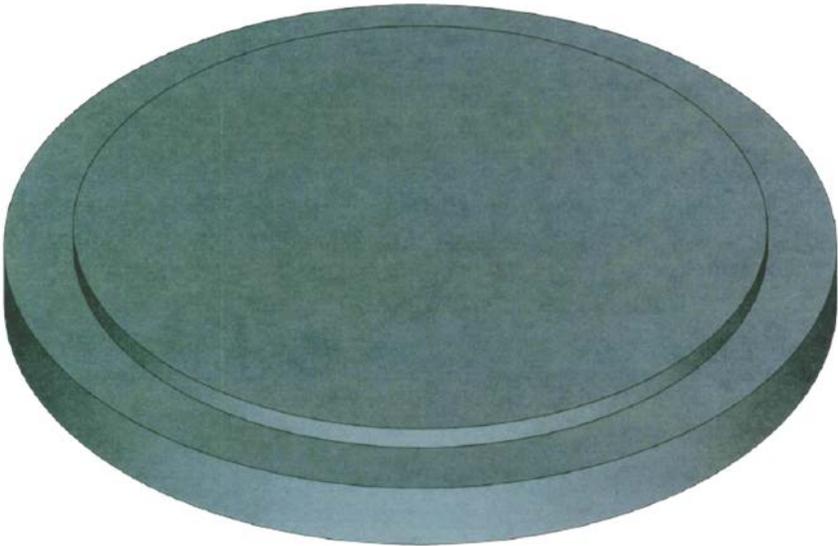
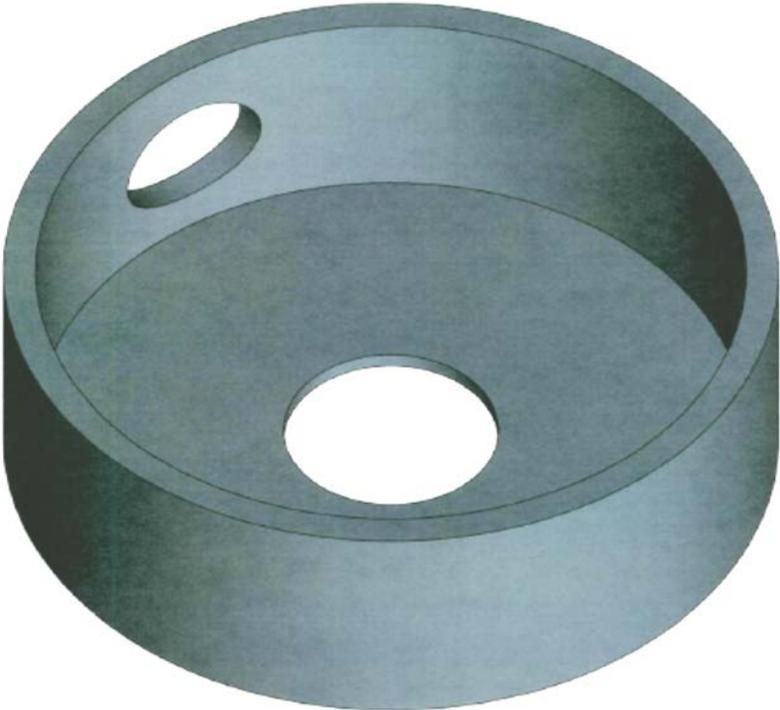
Verification of Measurements:

NOT TO SCALE



Note: All Measurements shall be reported to 1/16"

Note: If selected structure is different from above, sketch and verify reinforcement below



I.2 VERIFICATION OF CONCRETE STRENGTH (SCHMIDT HAMMER CALCULATION)

Base

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Lid

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

Blow No.	Rebound	Blow No.	Rebound
1		6	
2		7	
3		8	
4		9	
5		10	

REBOUND AVERAGE: _____

REBOUND AVERAGE: _____

COMPRESSIVE STRENGTH: _____

Note: Eliminate values higher or lower than 6 units of first average rebounds. Refer to Part 1 Section 3.0.

Does structure meet specifications?

YES

NO

Producer Inspector(s): _____

TDOT Regional Inspector(s): _____

Comments: _____