Item 1W 9-23-11 Letting

STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES

PUMP STATION REPAIRS AND FLOODGATE IMPROVEMENTS

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	SUMMARY OF QUANTITIES		
CODE NO.	PAY ITEM	UNIT	QUANTITY
20300100	CHANNEL EXCAVATION	CU YD	100
28200200	FILTER FABRIC	SQ YD	87
*50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	500
51100300	SLOPE WALL 6 INCH	SQ YD	207
67100100	MOBILIZATION	L SUM	1
*	TEMPORARY COFFERDAM SYSTEM	L SUM	1

* SEE SPECIAL PROVISIONS

2. All lateral drainage that exists prior to construction shall be restored as shown on the plans and as directed by the Engineer. Unless otherwise specified, all costs of restoration shall be considered incidental to the Contract and no additional compensation will be allowed.

construction operations.

ed by the Engineer.

the Contract.

7. All construction operations shall be contained within the easement area or work limits as indicated on the plans. It shall be the full responsibility of the Contractor to secure all rights of ingress and egress to said Right-of-Way including the satisfactory protection and restoration of property as required in article 107,20 and 107,23 of the Standard Specifications.

8. The Contractor shall call J.U.L.I.E. (800-892-0123) for the location of existing utilities 48 hours prior to construction.

ation is to be performed.

10. The sluice gates can be used as part of the Cofferdam System.

11. Plan dimensions and details relative to the existing structures have been taken from existing plans and/or past surveys and reports, and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

UTILITY REFERENCE TABLE

J.U.L.I.E. Call 48 hours prior to construction 1-800-892-0123

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SUMMARY OF QUANTITIES, GENERAL NOTES AND UTILITY REFERENCES

GENERAL NOTES

1. All elevations refer to N.G.V.D. 29 (National Geodetic Vertical Datum).

3. The Contractor is reminded to protect and restore, at his expense, in accordance with Article 107.20 of the Standard Specifications, any private or public property, including access roads, which may be damaged or destroyed due to

4. All excess excavation and unsuitable materials shall be disposed of at locations provided by the Contractor at his expense and at locations inspected and approv-

5. The Contractor shall submit his proposed method of maintaining channel flows to the Engineer for approval prior to beginning construction.

6. The location, maintenance, removal and restoration to original condition of all haul roads shall be approved by the Engineer and all cost shall be incidental to

9. The Contractor is alerted that the ground may be soft and movement of equipment may be difficult in the channel bottom area where Slope Wall install-





SLOPE WALL FOR CONCRETE CHANNEL PAVING - SITE 1

Notes: (1.) All materials removed during construction shall become the property of the Contractor and shall be removed from site unless noted otherwise. Cost included with Slope Wall 6 Inch except as noted in Note 4. (2) Class SI concrete shall be used throughout. (3) The existing 480 square feet of Armorflex articulated block mats and 1383 square feet of Geoweb within the proposed repair area shall be removed. The scour holes shall be filled and compacted to an elevation 8 inches below proposed finished grade. The base in the original paving block location shall be excavated to a depth of 8 inches below proposed finished grade. Filter fabric shall then be placed over the repaired scour holes and original paving block locations and shall lap a minimum of 6 inches with the surrounding existing filter fabric. The existing aggregate from the areas where Geoweb is removed shall be excavated, distributed and compacted or removed from site as necessary to bring the base to the proposed subgrade elevation of the proposed channel paving.

OFFICE OF WATER RESOURCES

(4) The removal/disposal of the mounds of silt and vegetation as noted below shall be paid for as channel excavation.

(5) Access to the work area shall be limited to the articulated block mat as shown on sheet 3.

(6) Sluice gate openings are 8' x 8'. ESTIMATED VOLUMES (For Information Only) Agareaate to be Excavated25 Cu. Yd. .2 Cu. Yd. Excavation below existing paving blocks..... Fill required below proposed filter fabric in scour hole1 Cu. Yd. Aggregate required above new filter fabric5 Cu. Yd. Approx. volume to be removed from site (from slope wall and aggregate ridge areas).... ..21 Cu. Yd. ..53 Sq. Yd. Paving Blocks to be removed from site Channel Excavation (downstream of slope wall)..... ..100 Cu. Yd. Cofferdam Notes: • The Contractor is responsible for the design and construction of the Temporary Cofferdam System, which shall be approved by the Engineer. • The height of the cofferdam shall be sufficient to prevent overtopping by a flood with a recurrence interval selected by the Contractor. • The Contractor shall assume all risk of damages to his/her equipment and the work caused by flooding for the cofferdam design. • The Contractor shall submit his proposed method of maintaining channel flows for approval by the Engineer, prior to beginning construction. _Temporary Cofferdam System (Typ.) Proposed slope wall for channel paving 1" P.J.F. Temporary Cofferdam System

Existing Geoweb confinement system



Existing articulated block

mats

BILL OF MATERIAL

Slope Wall 6 Inch	Sq Yd	207
Filter Fabric	Sq Yd	87
Temporary Cofferdam System	L Sum	1
Channel Excavation	Cu Yd	100

FR-431





112 "

SECTION B-B

IMM ч

> Β. DESIGNED BY DRAWN BY:



PAINTING NOTES:

H No back

∖ gouge

The paint shall match existing gate paint system and color. See Special Provisions. Cost included with Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

Furnishing and Erecting Structural Steel Pound 220

SCALE: NONE

Sheet 6 of 8

FR-431





ぉ Closure

Gate

Flood

Road

Sheets/Rand

NDGN Plan

Repair \

Pump Station Paving Block

0:\OwrProjImpl\Projects\Rand Park

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9/1/2011

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FR-431

Sheet 8 of 8



SIONS	OFF-RD OPERATIONS, 2L, 2W,
s to	
c).	│ 15' (4.5 m) TO 24" (600 mm)
n No.'s.	FROM PAVEMENT EDGE
notes,	
ing.	STANDARD 701006–03





APPROVED January 1, _ 2009 Eri E Han DESIGN AND ENV ENGINEER OF DE

702001-06. Rev. temp. signs on



DRUM



VERTICAL BARRICADE

GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

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o. Omitted al panel. andard note for
andard note for
andard note for
note for
Sheet 2.

DEVICES

(Sheet 1 of 3)

STANDARD 701901-01

TRAFFIC CONTROL



ENGINEER OF DESIGN AND ENV

ROAD
CONSTRUCTION
NEXT X MILES



G20-1(0)-6036

G20-2a(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500′ (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multilane highways.

WORK LIMIT SIGNING

All dimensions are in inches (millimeters) unless otherwise shown.



(Sheet 2 of 3)

STANDARD 701901-01

