

**SOUTH ORANGE VILLAGE**  
**Municipal Offices**  
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New Jersey 07079

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## **RESOLUTION #2021-235**

**August 27, 2021**

### **RESOLUTION ACCEPTING AND AUTHORIZING THE PROPOSAL AND TASK ORDER 2021-03 OF HDR, INC. FOR PROFESSIONAL ENGINEERING SERVICES TO SURVEY AND DESIGN MISCELLANEOUS IMPROVEMENTS AND CONFIRMATION OF AN EXISTING WATER MAIN ASSET IN AN AMOUNT NOT TO EXCEED \$122,660.00**

**WHEREAS**, the Township of South Orange Village (the "Village") has a need for professional engineering services; and

**WHEREAS**, HDR, Inc. is experienced and qualified in providing the needed engineering services and was previously contracted by the Village, through Village Counsel, to provide consulting services; and

**WHEREAS**, the Village has received from HDR, Inc. Task Order 2021-03 for additional services by HDR, Inc. to conduct surveying for miscellaneous improvements and confirmation of existing water main assets. In addition, this task order provides design services for the Phase 1 Improvements of the Luddington Interconnect meter vault replacement project. Phase 2 Improvements for the Luddington Interconnect are included in the Crest Critical Infrastructure Projects Task Order. Design services are also being provided to support installation of new fencing around the reservoir perimeter and to address sanitary deficiencies at the South Orange Reservoir and replacement of the existing meter at Crest Drive – all as more specifically described in the attached Task Order; and

**WHEREAS**, as a result of prior consulting services, the HDR, Inc. services in the attached Task Order 2021-03 constitute Additional Professional Services pursuant to §27-23.B of the Village Code as amended; and

**WHEREAS**, the Village Treasurer has certified below that the funds are available for this contract.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Trustees of the Township of South Orange Village that it hereby accepts and authorizes Task Order 2021-03 and awards a contract to HDR, Inc. in an amount not to exceed \$122,660.00; and

**BE IT FURTHER RESOLVED** that the Village President or Village Administrator and Village Clerk are hereby authorized to execute a Task Order/contract for said services in a form to be approved by Village Counsel.



**CERTIFICATION OF AVAILABLE FUNDS**

As required by N.J.S.A. 40A:4-57, N.J.A.C. 5:34-5.1 et seq. and any other applicable requirement, I, Gregory Bock, Village Treasurer of the Township of South Orange Village, have ascertained that there are available sufficient uncommitted funds in the line item specified below to award the contract specified in the above resolution, in the amount specified below. I further certify that I will encumber these funds upon the passage of this resolution.

06-2150-01-0100-000	VARIOUS WATERMETER'S	\$ 31,514.00
06-2150-19-2800-000	CREST DRIVE	\$ 83,817.00
06-2150-21-0300-000	AMLI INFRAStructure	\$ 7,329.00

Line Item	Description	Amount
		8/27/21
Gregory Bock, Village Treasurer		Date

Trustee Member	Motion	Second	Ayes	Nays	Abstain	Absent
Brown		X	X			
Coallier			X			
Haskins			X			
Hartshorn Hilton			X			
Jones			X			
Zuckerman	X		X			

**CERTIFICATION**

I, Ojetti E. Davis, Acting Village Clerk of the Township of South Orange Village, County of Essex, State of New Jersey, do hereby certify that this is a true and correct copy of the Resolution adopted by the Board of Trustees at their regular meeting held on Friday, August 27, 2021.

Ojetti E. Davis  
 Acting Village Clerk

## TASK ORDER 2021-03– TOWNSHIP OF SOUTH ORANGE VILLAGE

### **PROJECT:    Surveying and Design for Miscellaneous Improvements and Confirmation of Existing Water Main Asset**

This Task Order pertains to an Agreement by and between the Township of South Orange Village, ("Owner") and HDR Engineering, Inc. ("Engineer"), dated June 8, 2017 ("the Agreement") and extended for calendar year 2021. Engineer shall perform services on the project described below. Upon execution, this Task Order shall supplement the Agreement as it pertains to the project described below.

### **PART 1.0 PROJECT DESCRIPTION AND ENGINEER'S SCOPE OF SERVICES**

The Owner has requested that Engineer provide professional engineering services to conduct surveying for miscellaneous improvements and confirmation of existing water main assets. In addition, this task order provides design services for the Phase 1 Improvements of the Luddington Interconnect meter vault replacement project identified as Project 3 below. Phase 2 Improvements for the Luddington Interconnect are included in the Crest Critical Infrastructure Projects Task Order. Design services are also being provided for Project 5 to support installation of new fencing around the reservoir perimeter and to address sanitary deficiencies at the South Orange Reservoir and Project 6 to replace the existing meter at Crest Drive.

The following summarizes the scope of work for the six project locations. Survey limits for Projects 1-5 are provided in Attachment 1. No surveying is required for Project 6.

#### **1.) Project 1 – Stop & Shop Easement (Block 2302, Lot 3)**

- a. Existing WM in ROW – stake easement limits as described and shown in attachments (pinning flags adequate)
- b. Locates/mark-outs of existing WM are needed to show WM and easement description on same drawing
- c. SOV to coordinate access with Owner
- d. Provide survey at scale of 1"=20'
- e. HDR to provide field engineer to coordinate verification of field mark-ups and flag limits of easement in the field for coordination with NJAW

#### **2.) Project 2 - 32 Crest Drive**

- a. New 16" main to be located in easement
- b. Provide metes and bounds description for new 30' easement (dwg attached) and depict on survey map
- c. Topo & planimetric survey from rear property to curb
- d. SOV to coordinate with homeowner for access
- e. Provide survey at scale of 1"=20' (Topo, Boundary, Utility)
- f. HDR to provide 1 day field engineer to support survey activities

#### **3.) Project 3 - Luddington Meter Vault Project**

- a. Project Location is at Luddington & Wyoming - 250' from Luddington South to Wyoming
- b. Provide full corridor utility survey, ROW as shown in Attachment 1
- c. HDR to provide design (drawings and specifications), permitting, bid support and inspection for new 4" meter vault with turbine meter (confirming with NJAW if 6" ultrasonic meter can be used in place of turbine meter)

- i. Design to include pre-cast vault, 4" turbine meter with isolation valves on each side. Assumes no Geotech is required and existing vault will be abandoned in place. Traffic rated access hatches as design assumes in shoulder of Luddington:
  - 1. Drawing List includes 6 Sheets:
    - a. Cover, Vicinity Map (1)
    - b. Meter Vault Plans and Profiles (2)
    - c. Details / Trench (1)
    - d. MOT for County Rd including coordination with Essex County(1)
    - e. Pavement, Restoration (1)
  - ii. HDR shall provide an Inspector for 20 hours per week for 2 weeks duration

**4.) Project 4 - New 16" supply line from South Orange Ave to Crest Dr. tank site**

- a. Boundary, topographic and utility survey of property for new water main location
- b. Obtain property and adjoining property deeds
- c. Town to provide copies of the deeds for several storm and drainage easements that run through the property
- d. Provide easement acquisition map and metes and bounds description or proposed easement running through Lot 2.
- e. Provide survey at scale of 1"=20' (Topo, Boundary, Utility)

**5.) Project 5 - SO Ave Reservoir Fencing and Sanitary Deficiencies**

- a. Site survey to identify limits of reservoir for new fencing
- b. HDR to provide design, bid support and inspection
  - i. Design to include 3 sheets: Site Plan for New Fencing and Gates, Details Sheets (showing new fencing coordinated with community groups) and specifications. Includes structural evaluation and detail to tie-in to parapet wall along pump station building. In addition, to address sanitary deficiencies identified at the reservoir, HDR will prepare 1 drawing and specifications to identify new mesh for venting/screens and plans to address drain pipe cross connection. Assumes installation will require confined space entry by the contractor.
  - ii. HDR to provide an inspector for 2 days, 8 hours per day.
  - iii. Preparation of as-built drawing from contractor redlines

**6.) Project 6 – Crest Drive Meter Replacement**

- a. Provide design for meter replacement. Includes Plan and Section View to show existing piping and proposed meter location
- b. Includes 1 day field time to verify field measurements
- c. Coordination with NJAW on installation SOP
- d. Preparation of bid package, bid reviews and recommendation
- e. HDR to provide an inspector for 1 day, 8 hours per day to oversee installation
- f. Preparation of as-built drawing from contractor redlines

**PART 2. PERIODS OF SERVICE:**

The period of service for this work is six weeks from notice to proceed to provide survey maps for projects 1-5. Detail Design of Projects 3, 5 and 6 shall be provided 12 weeks after final survey received.

**PART 5.0 ENGINEER'S FEE:**

The lump sum Engineer's fee of not to exceed \$122,660 is summarized below by Task in Table 1.

**Table 1. Task Order 2021-03 Engineer's Fee**

Task.	Description	Labor Hours	Labor (\$)	ODCs (\$)	Sub (MFS) (\$)	Total (\$)	Capital Accn't
0	Project Management/Admin	14	\$2,201		-	\$2,201	CI/RR
1	Project 1 – Stop & Shop Easement (Block 2302, Lot 3)	10	\$1,252	\$145	\$6,200	\$7,597	CI/RR 16-01
2	Project 2 - 32 Crest Drive Easement	10	\$1,252	\$145	\$4,900	\$6,297	18-28
3	Project 3 - Luddington Meter Vault Project (Phase 1)	294	\$39,723	\$998	\$4,900	\$45,621	CI/RR 16-01
4	Project 4 - New 16" supply line from South Orange Ave to Crest Dr. tank site	15	\$2,572	\$145	\$22,500	\$25,217	18-28
5	Project 5 - SO Ave Reservoir Fencing and Sanitary Deficiencies	162	\$21,258	\$240	\$6,900	\$28,398	CI/RR 16-01
6	Project 6 – Crest Drive Meter Replacement	52	\$7,273	\$56	-	\$7,329	21-03
	<b>Total</b>	<b>556</b>	<b>\$75,531</b>	<b>\$1,729</b>	<b>\$45,400</b>	<b>\$122,660</b>	

16-01 = \$31,514

18-28 = \$83,817

21-03 = \$ 7,329

**Authorization:**

**Township of South Orange Village**

By \_\_\_\_\_

Print: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**HDR Engineering Inc.**

By: \_\_\_\_\_

Print: Yiannoulla Charalambous

Title: Senior Vice President

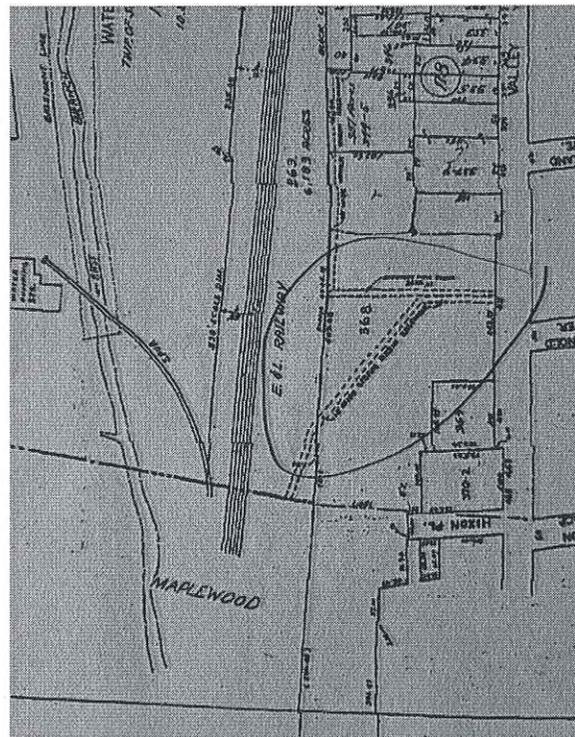
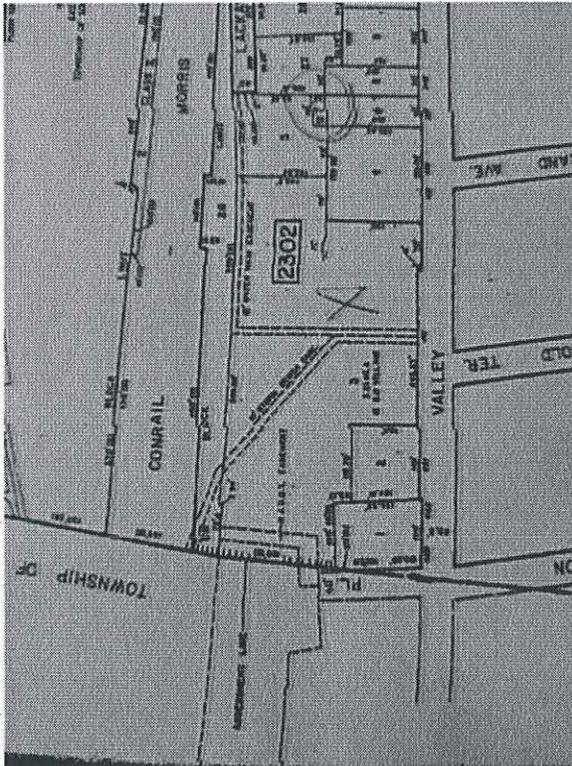
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ATTACHMENT 1

Survey Limits – Project 1: Stop & Shop Lot

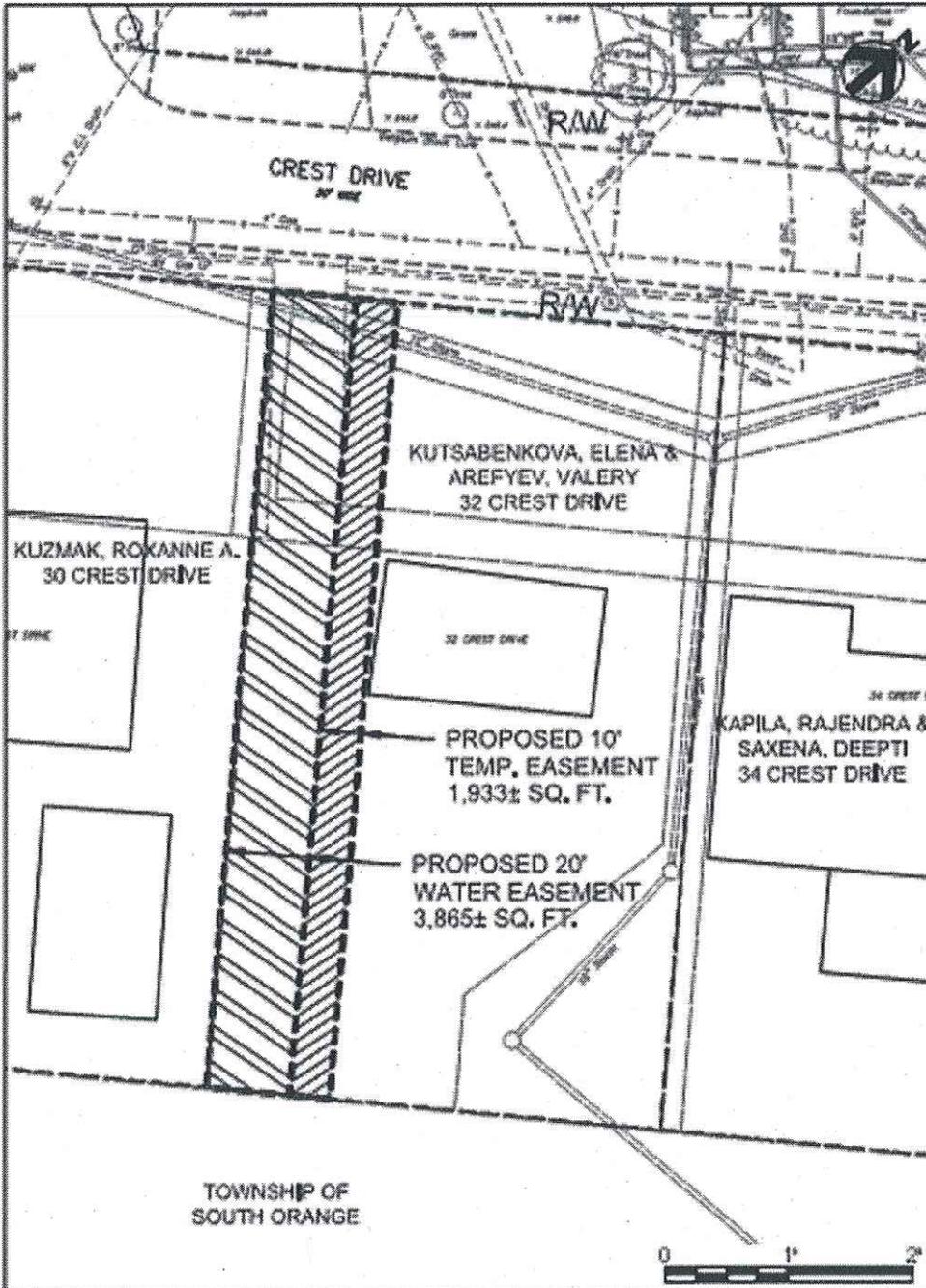
SURVEY LIMITS PROJECT AREA 1

The survey limits are: Block 2302, Lot 3



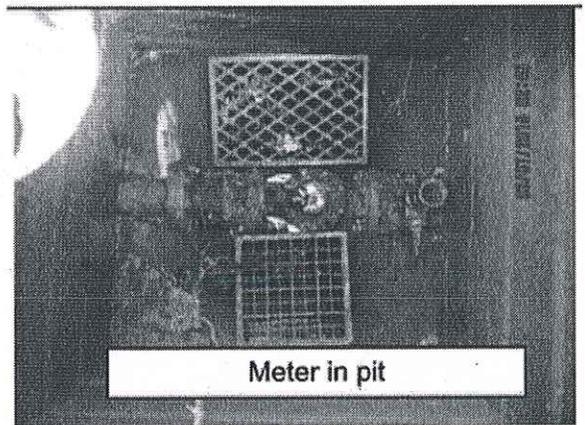
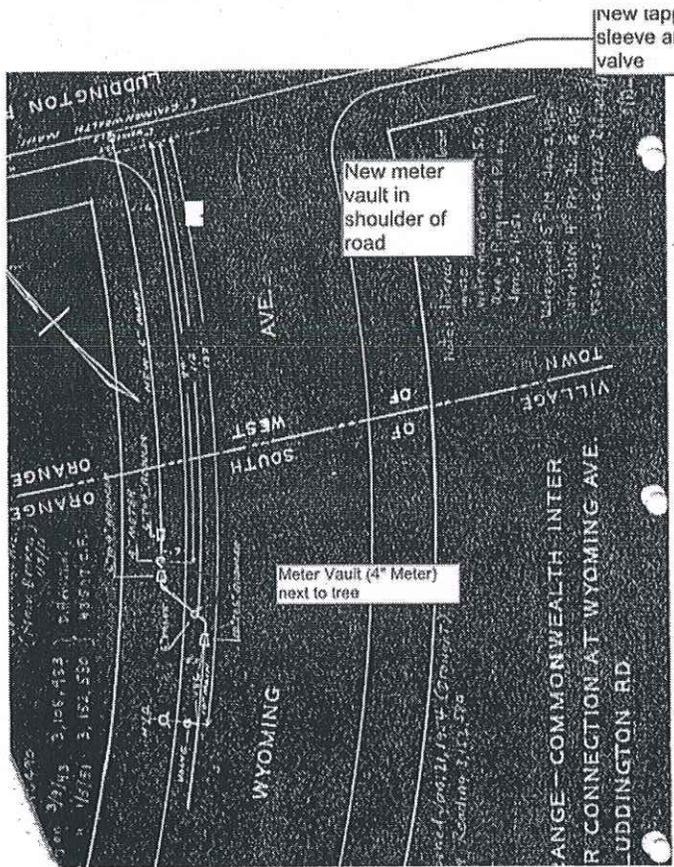
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**Survey Limits – Project 2- 32 Crest Drive**



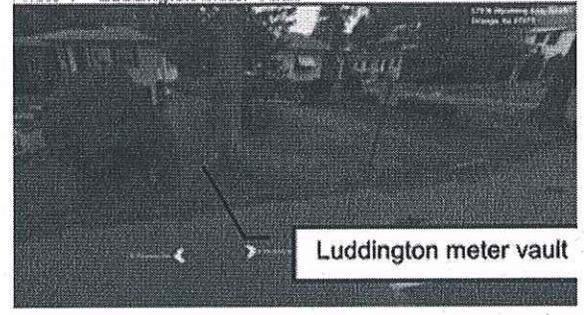
 <p>1 INTERNATIONAL BLVD 10TH FLOOR, SUITE 1000 MUNNAPOLI, NJ 07435</p>	<p>CREST DRIVE TANK REPLACEMENT AND NEW SUPPLY MAIN THE TOWNSHIP OF SOUTH ORANGE VILLAGE EASEMENT EXHIBIT 32 CREST DRIVE</p>	<p>Scale: 1" = 30'</p>
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**Survey Limits – Project 3- Luddington Rd Meter Vault (Phase 1)**  
 The survey limits are shown in red below.



Survey Limits – Project 4

Survey Limits – Project 4 – New Supply Line to Crest





**Survey Limits – Project 5 – South Orange Reservoir**

