

| DETERMINATION OF OSTDS TYPE AND STANDARDS PER SECTION 24-42.7                                                |                                     |                                                                                      |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------|
| GROSS LOT SIZE = <b>43,588</b> FT <sup>2</sup> = <b>1.001</b> ACRES                                          |                                     |                                                                                      |
| LAND USE: <b>SINGLE-FAMILY RESIDENCE</b>                                                                     |                                     |                                                                                      |
| GROSS BUILDING AREA = <b>10,156</b> FT <sup>2</sup>                                                          |                                     |                                                                                      |
| SEWAGE FLOW = <b>510</b> GPD                                                                                 |                                     |                                                                                      |
| SEWAGE LOADING = <b>510</b> GPD / <b>1.001</b> ACRES = <b>509.5</b> GPD/ACRE                                 |                                     |                                                                                      |
| Y                                                                                                            | N                                   | CRITERIA FOR OSTDS TYPE SELECTION                                                    |
| X                                                                                                            |                                     | PROPERTY WILL BE SERVED BY PUBLIC WATER                                              |
| X                                                                                                            |                                     | PROPERTY COMPLETELY OUTSIDE WELLFIELD PROTECTION AREA                                |
| X                                                                                                            |                                     | SURFACE WATER BODIES BEYOND 1000 FEET                                                |
| X                                                                                                            |                                     | SEWAGE FLOW IS LESS THAN 500 GPD FOR SFR /DUPEX                                      |
| N/A                                                                                                          |                                     | SEWAGE FLOW IS LESS THAN 1000 GPD FOR MULTI-FAMILY/OTHER USES                        |
| X                                                                                                            |                                     | SEWAGE LOADING LESS THAN 500 GPD/ACRE                                                |
| Y                                                                                                            | N                                   | OTHER CONSIDERATIONS FOR OSTDS APPROVAL                                              |
| X                                                                                                            |                                     | SANITARY SEWERS NOT AVAILABLE, ABUTTING, OR OPERATIVE                                |
| X                                                                                                            |                                     | SYSTEM WILL SERVE ONLY ONE LOT                                                       |
| X                                                                                                            |                                     | PROPERTY LINES OVER 50 FEET FROM OSTDS FOR PROPERTIES SERVED BY A POTABLE WATER WELL |
| TYPE OF SYSTEM REQUIRED : <b>TYPE 3 - ADVANCED SECONDARY TREATMENT STANDARDS</b>                             |                                     |                                                                                      |
| TOTAL NITROGEN TREATED BY : <b>NORWECO SINGLAIR R3</b>                                                       |                                     |                                                                                      |
| TOTAL PHOSPHORUS TREATED BY : <b>BIOKINETIC SYSTEM</b>                                                       |                                     |                                                                                      |
| FECAL COLIFORM TREATED BY : <b>NORWECO SINGLAIR R3 - BIOKINETIC SYSTEM CHLORINATION &amp; DECHLORINATION</b> |                                     |                                                                                      |
| SOURCE OF TREATMENT STANDARDS : <b>TESTING PERFORMANCE DATA FOR COMPONENTS OF PBTS</b>                       |                                     |                                                                                      |
| TREATMENT STANDARDS                                                                                          |                                     |                                                                                      |
| POLLUTANT                                                                                                    | REQUIRED (mg/L)<br>(ANNUAL AVERAGE) | PROPOSED (mg/L)<br>(ANNUAL AVERAGE)                                                  |
| CBOD <sub>5</sub>                                                                                            | 10                                  | 5                                                                                    |
| TSS                                                                                                          | 10                                  | 4.6                                                                                  |
| TN                                                                                                           | 50%                                 | 65.7%                                                                                |
| TP                                                                                                           | 10                                  | 10                                                                                   |
| FECAL COLIFORM (cfu/100ml)                                                                                   | 200                                 | 2                                                                                    |

| OSTDS CALCULATIONS PER CHAPTER 62-6 F.A.C.                                                               |  |  |
|----------------------------------------------------------------------------------------------------------|--|--|
| NET LOT SIZE = <b>31,798</b> FT <sup>2</sup> = <b>0.730</b> ACRES                                        |  |  |
| LAND USE: <b>SINGLE-FAMILY RESIDENCE</b>                                                                 |  |  |
| BUILDING AREA = <b>7,928</b> FT <sup>2</sup> & <b>7</b> BEDROOMS                                         |  |  |
| <b>SEWAGE FLOW</b>                                                                                       |  |  |
| MAXIMUM SEWAGE LOADING ALLOWANCE = <b>2,500</b> GPD/ACRE (1,500 GPD/ACRE OR 2,500 GPD/ACRE)              |  |  |
| AUTHORIZED SEWAGE FLOW = <b>2,500</b> GPD/ACRE x <b>0.730</b> ACRES = <b>1,825</b> GPD                   |  |  |
| UNIT FLOW CRITERIA (PER TABLE 1) : <b>NUMBER OF BEDROOMS/BUILDING AREA</b>                               |  |  |
| SEWAGE FLOW PER UNIT FLOW = <b>400</b> GPD FOR 4 BEDS W/ 2281-3300 SQFT + 60 GPD PER ADDITIONAL 750 SQFT |  |  |
| TOTAL SEWAGE FLOW = <b>820</b> GPD                                                                       |  |  |
| <b>TREATMENT TANK AND DRAINFIELD</b>                                                                     |  |  |
| PROPOSED SYSTEM : <b>NORWECO SINGLAIR R3</b>                                                             |  |  |
| MINIMUM REQUIRED TREATMENT CAPACITY = <b>820</b> GPD                                                     |  |  |
| DRAINFIELD CONFIGURATION : <b>TRENCH</b>                                                                 |  |  |
| DRAINFIELD TYPE : <b>STANDARD</b>                                                                        |  |  |
| DRAINFIELD MATERIAL : <b>CHAMBERS</b>                                                                    |  |  |
| MAXIMUM SEWAGE LOADING RATE FOR THE PROPOSED DRAINFIELD = <b>0.8</b> GAL/FT <sup>2</sup> DAY             |  |  |
| DRAINFIELD SIZE = <b>820</b> GPD / <b>0.8</b> GAL/FT <sup>2</sup> DAY = <b>1025</b> FT <sup>2</sup>      |  |  |
| <b>SEPARATION BETWEEN THE SHWT AND BOTTOM OF THE DRAINFIELD (ELEVATIONS IN N.G.V.D.)</b>                 |  |  |
| GRADE ELEVATION = <b>10.6</b> FT                                                                         |  |  |
| SEASONAL HIGH WATER TABLE ELEVATION = <b>4.0</b> FT                                                      |  |  |
| ELEVATION AT THE BOTTOM OF THE DRAINFIELD = <b>8.6</b> FT                                                |  |  |
| SEPARATION BETWEEN SHWT AND BOTTOM OF DRAINFIELD = <b>55.2</b> INCHES                                    |  |  |

| SEPTIC TANK CALCULATION           |              |          |                      |                                         |
|-----------------------------------|--------------|----------|----------------------|-----------------------------------------|
| NUMBER OF SYSTEMS                 | 1            |          |                      |                                         |
| TOTAL LIVING AREA                 | 7,928 SF     |          |                      |                                         |
| TOTAL OF BEDROOMS                 | 7            |          |                      |                                         |
|                                   | 7,928        | -3300    | 4 bedrooms (400 GPD) |                                         |
|                                   | 4,628        | / 750    |                      |                                         |
|                                   | 6.2          | add      | 420 GPD              |                                         |
| FLOW ALLOWANCE                    | 820 GPD      |          |                      |                                         |
| TOTAL LOT AREA                    | 0.7300 ACRES |          |                      |                                         |
| TOTAL FLOW PER DAY PER ACRE ALLOW | 1825 GPD     |          |                      |                                         |
| FIXTURE COUNT CALCULATION         |              |          |                      |                                         |
| SYSTEM #1                         | FU           | #        | TOTAL                |                                         |
| FULL BATHROOM                     | 6            | 5        | 30                   |                                         |
| WASHER                            | 2            | 2        | 4                    |                                         |
| POOL BATH                         | 4            | 1        | 4                    |                                         |
| LAUNDRY SINK                      | 2            | 1        | 2                    |                                         |
| TOTAL FIXTURES                    |              |          | 40                   |                                         |
| SYSTEM #2                         | FU           | #        | TOTAL                |                                         |
| FULL BATHROOM                     | 6            | 1        | 6                    |                                         |
| KITCHEN SINK W/DISHWASHER         | 2            | 1        | 2                    |                                         |
| DISHWASHER                        | 2            | 1        | 2                    |                                         |
| POWDER                            | 4            | 1        | 4                    |                                         |
| BBQ SINK                          | 2            | 1        | 2                    |                                         |
| BBQ ICEMAKER                      | 2            | 1        | 2                    |                                         |
| MASTER BATHROOM                   | 12           | 1        | 12                   |                                         |
| TOTAL FIXTURES                    |              |          | 30                   |                                         |
| TOTAL HOUSE FU                    | 70           |          |                      |                                         |
| FLOW CALCULATION                  |              |          |                      |                                         |
| SYSTEM                            | 1            | #FU      | X TOTAL FLOW         | DRAIN FIELD REQUIRED BED (SF) = GPD/0.8 |
|                                   |              | TOTAL FU |                      |                                         |
|                                   |              | = 40     | X                    | 820                                     |
|                                   |              | 70       |                      |                                         |
|                                   |              | = 469    | GPD                  | 586                                     |
| UNOBSTRUCTED AREA                 |              |          |                      | 879                                     |
| SYSTEM                            |              |          |                      |                                         |
| SYSTEM                            | 2            | #FU      | X TOTAL FLOW         |                                         |
|                                   |              | TOTAL FU |                      |                                         |
|                                   |              | = 30     | X                    | 820                                     |
|                                   |              | 70       |                      |                                         |
|                                   |              | = 351    | GPD                  | 439                                     |
| UNOBSTRUCTED AREA                 |              |          |                      | 659                                     |

APPROVED  
FLORIDA HEALTH MIAMI-DADE COUNTY

PERMIT # AP2095594-N

DATE: 06/14/2024

SEPTIC TANK N/A GAL. (MIN)

DRAINFIELD N/A SQ. FT. (MIN)

INSTALL 42" OF SLIGHTLY LIMITED SOIL

UNDER BOTTOM OF DRAINFIELD

INVERT ELEVATION 8.60

BOTTOM OF DRAINFIELD ELEVATED 8.10

PERIMETER OF EXCAVATION AREA SHALL BE

AT LEAST 2 FEET WIDER AND LONGER THAN THE

PROPOSED ABSORPTION BED OR DRAIN TRENCH

The contractor (or designee) is required to perform a soil boring adjacent to the drainfield excavation at the time of final inspection. Prior to Final Approval, the DOH inspector shall witness the soil boring and compare the results to the original site evaluation submitted. A reinspection fee will be assessed if the contractor is not at the jobsite at the arranged time.

PROPOSED 1000 GALLONS UNDERGROUND PROPANE TANK. 10' DISTANCE BETWEEN TANK AND FROM ANY STRUCTURE AND PROPERTY LINE. COORDINATE WITH GAS COMPANY. LOCATION AND INSTALLATION SHALL COMPLY WITH NFPA 58 & 6.4.4.3.

AEROBIC SYSTEM P.

ATU Treatment Capacity 500 gdp (min)

Drainfield Area 439 sqft(min)

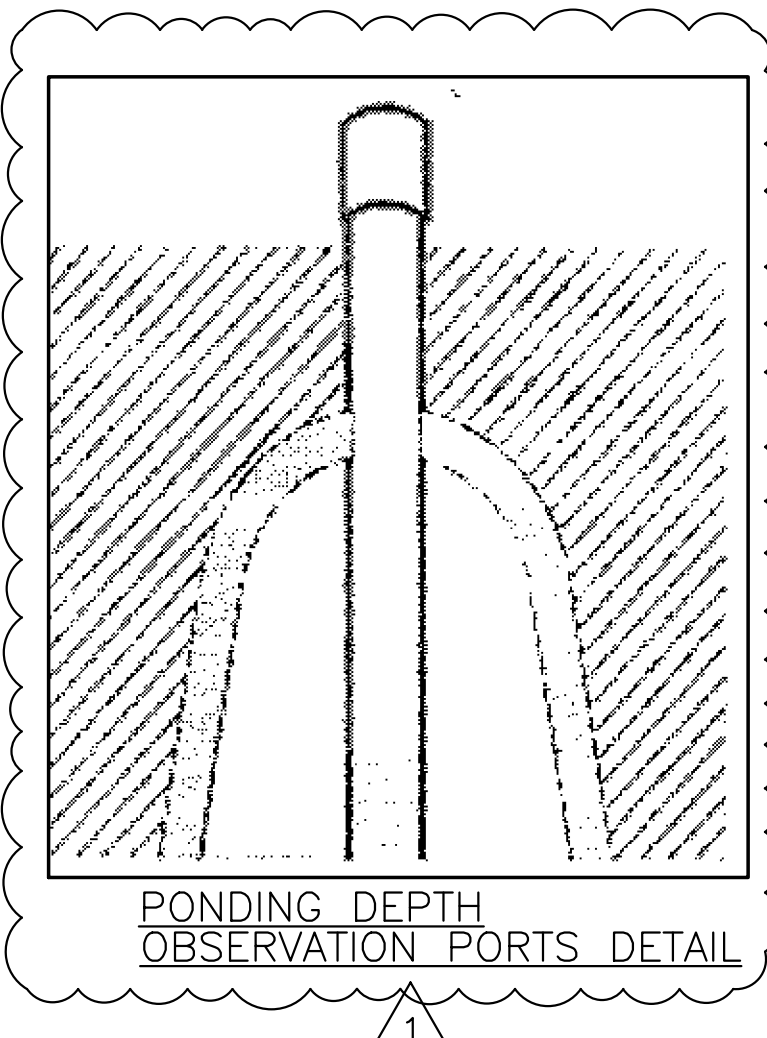
ATU Maintenance Entity Agreement Contract

and DOH Annual Operating Permit is required

FLORIDA HEALTH MIAMI-DADE COUNTY

NOTE  
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION SEWAGE DISPOSAL AND TREATMENT SYSTEM INSTALLATION.

BENCHMARK ELEVATION  
SW 62 AVE/CENTER OF PL 10.53' NGVD  
LEGEND  
-- UNOBSTRUCTED AREA

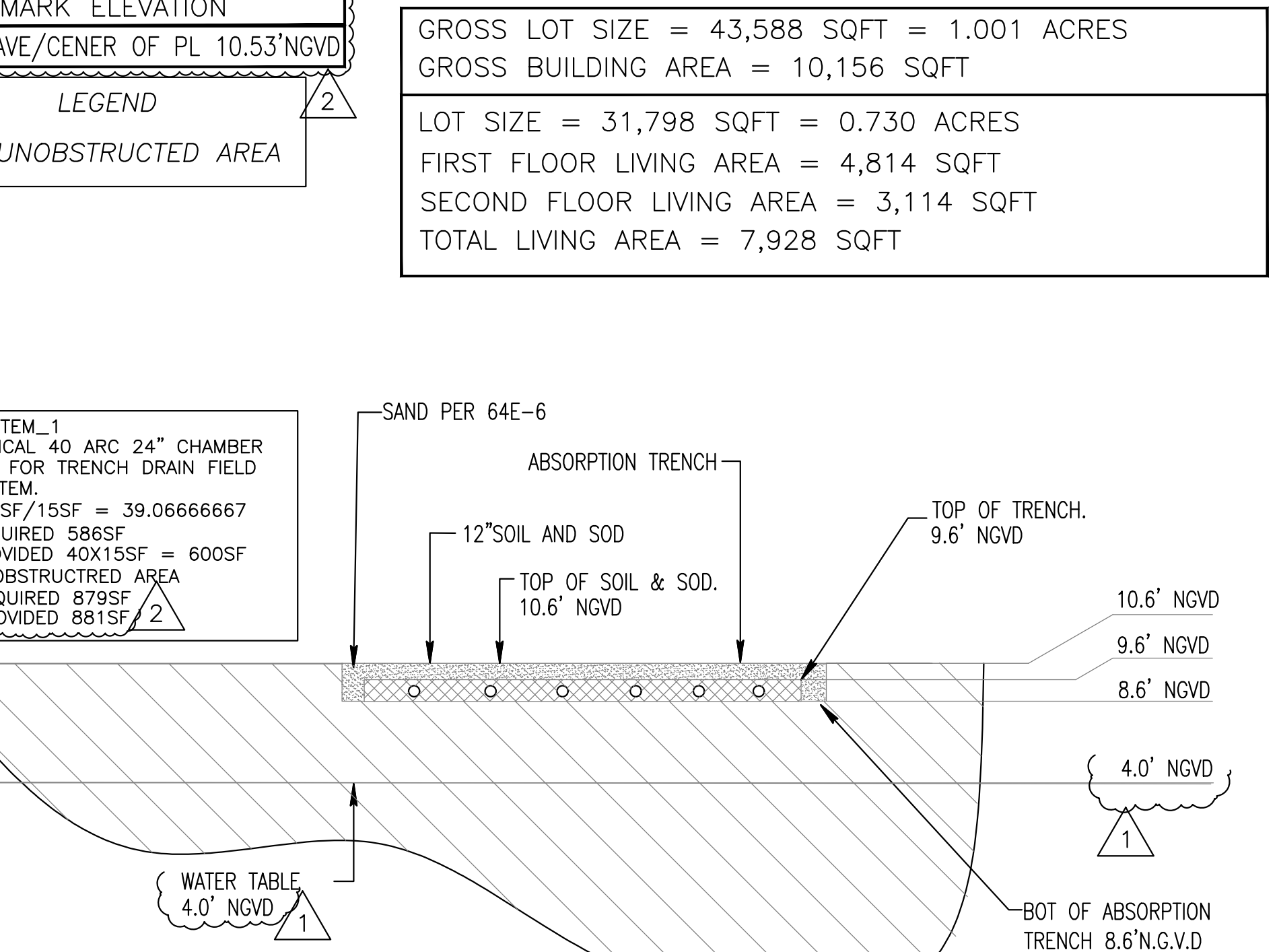


SYSTEM\_1  
TYPICAL 40 ARC 24" CHAMBER SET FOR TRENCH DRAIN FIELD SYSTEM.  
586SF/155F = 39.06666667  
REQUIRED 586SF  
PROVIDED 40X155F = 600SF  
UNOBSTRUCTED AREA  
REQUIRED 879SF  
PROVIDED 881SF/2

SEPTIC SYSTEM#1 CALCULATIONS:  
469 GPD / 0.80 = 586 SQ.FT. OF DRAINFIELD  
586 SQ.FT X 1.5 = 879 SQ.FT. TOTAL UNOBSTRUCTED AREA

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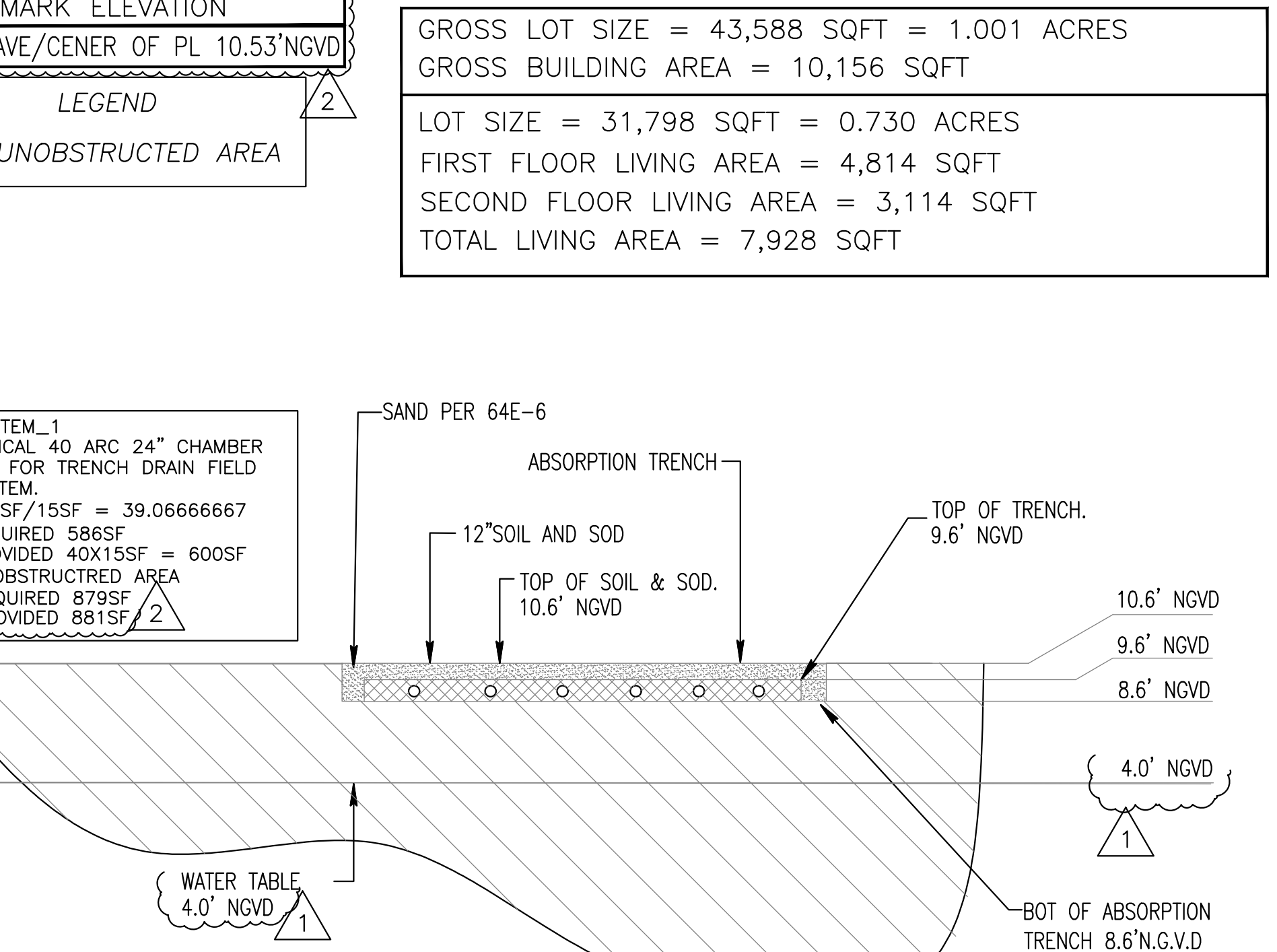
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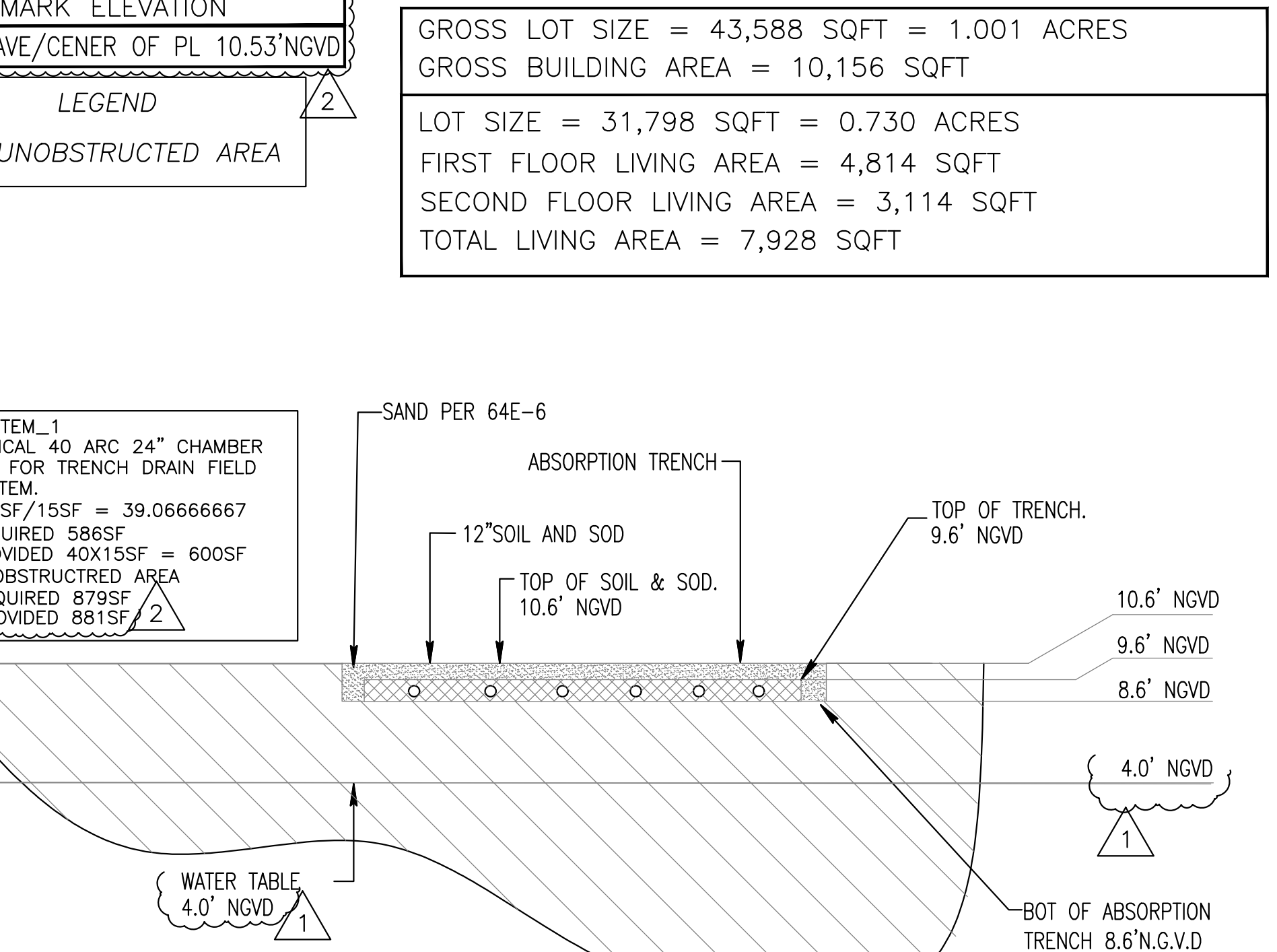
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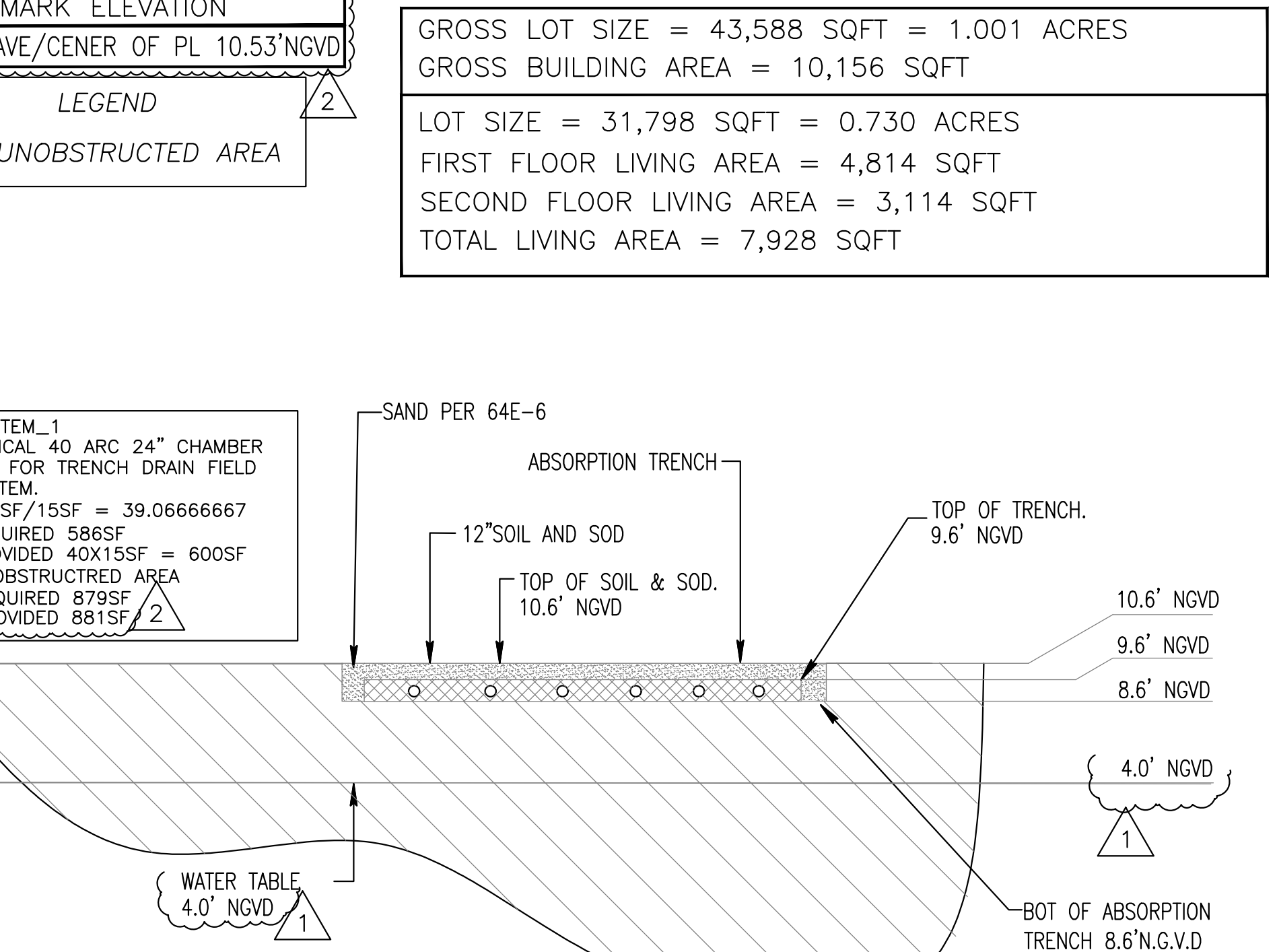
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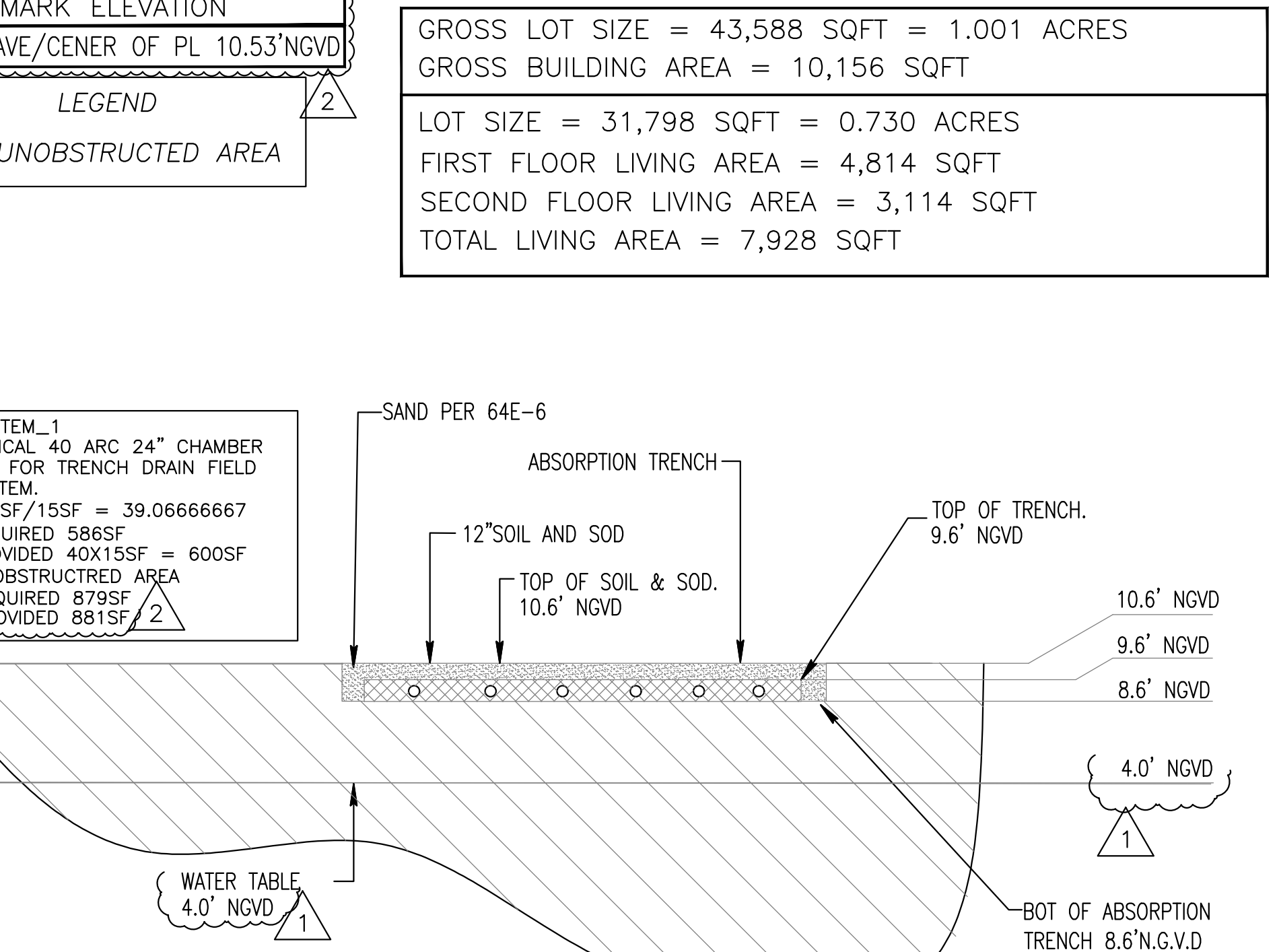
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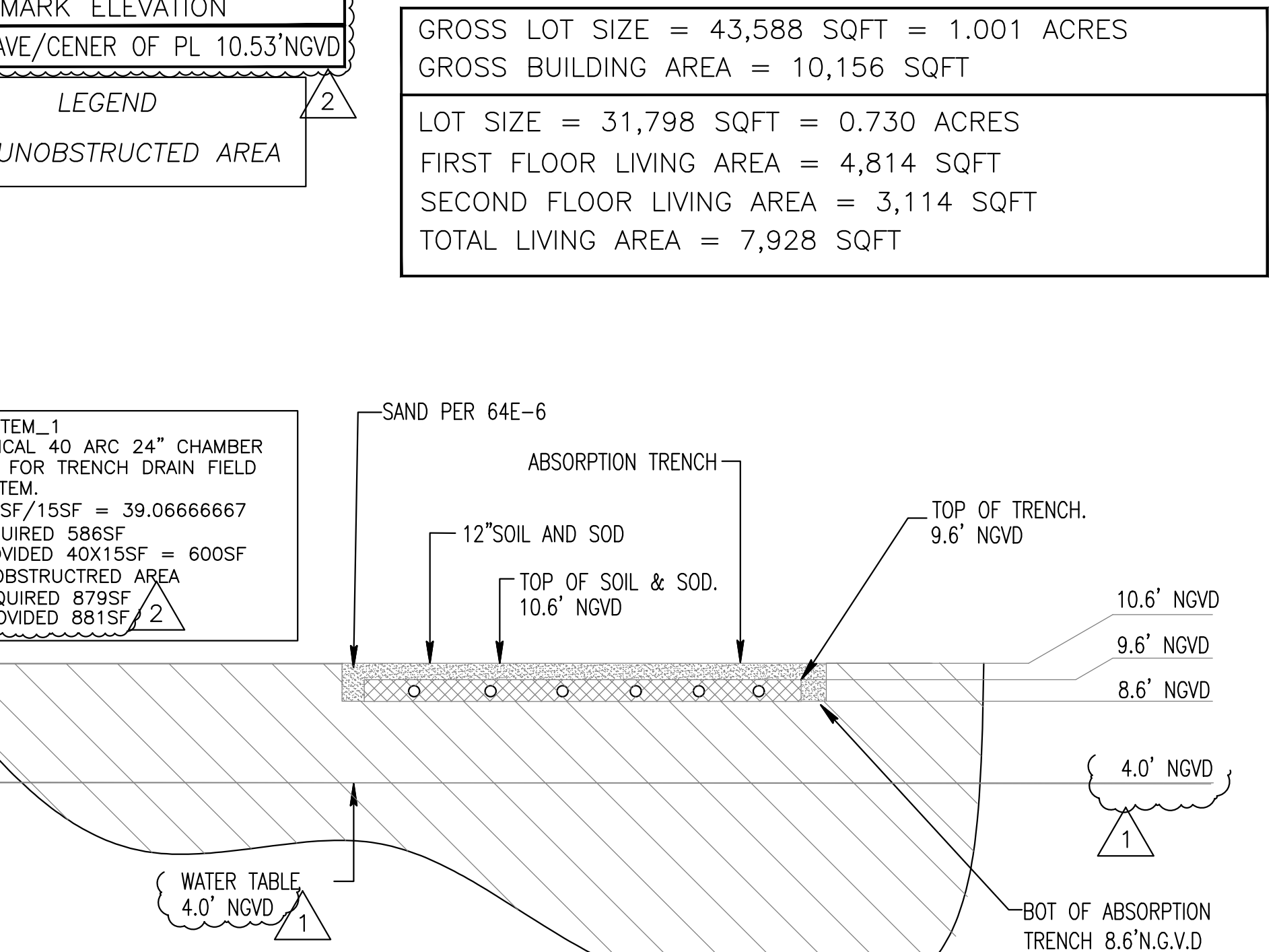
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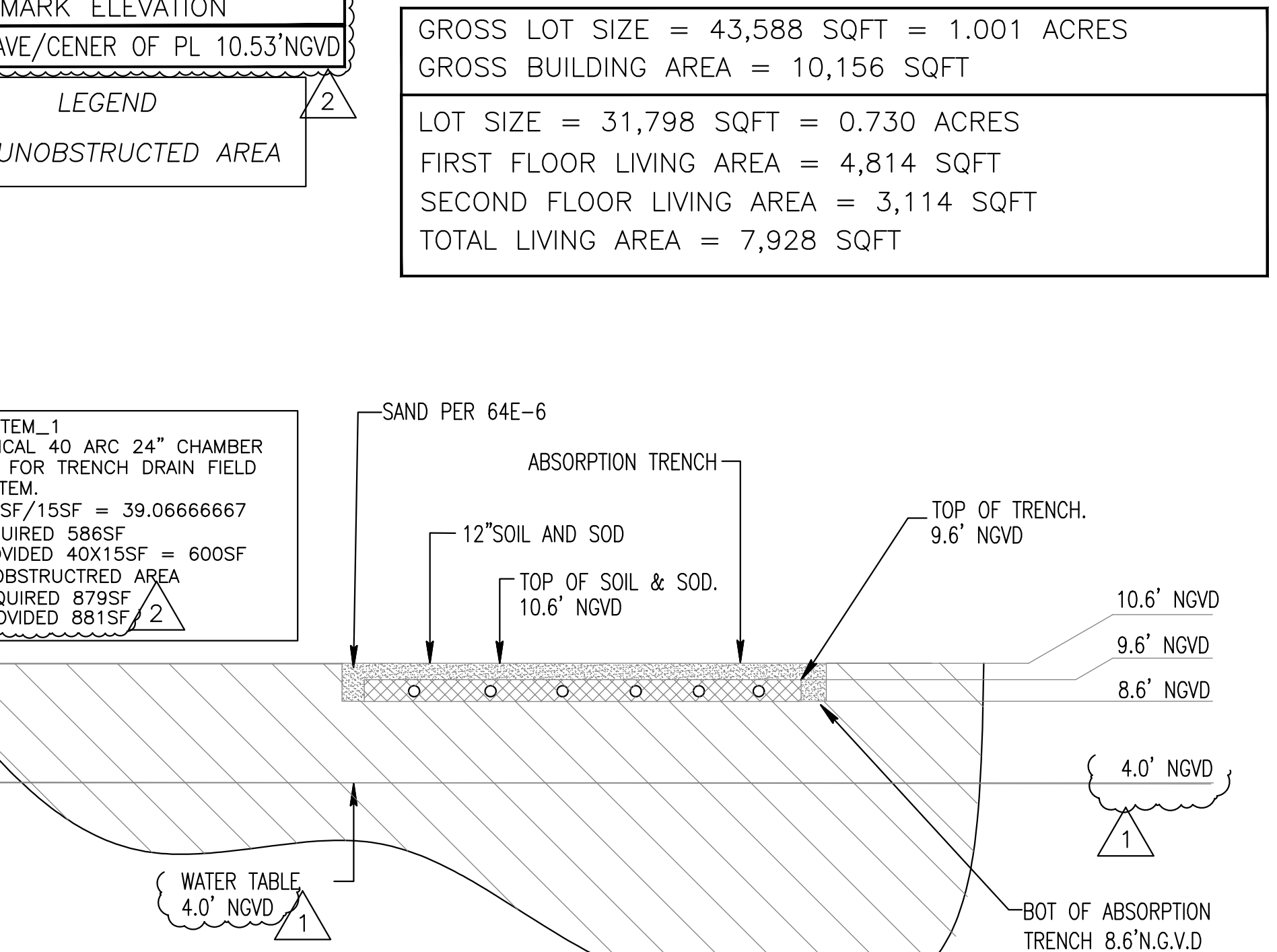
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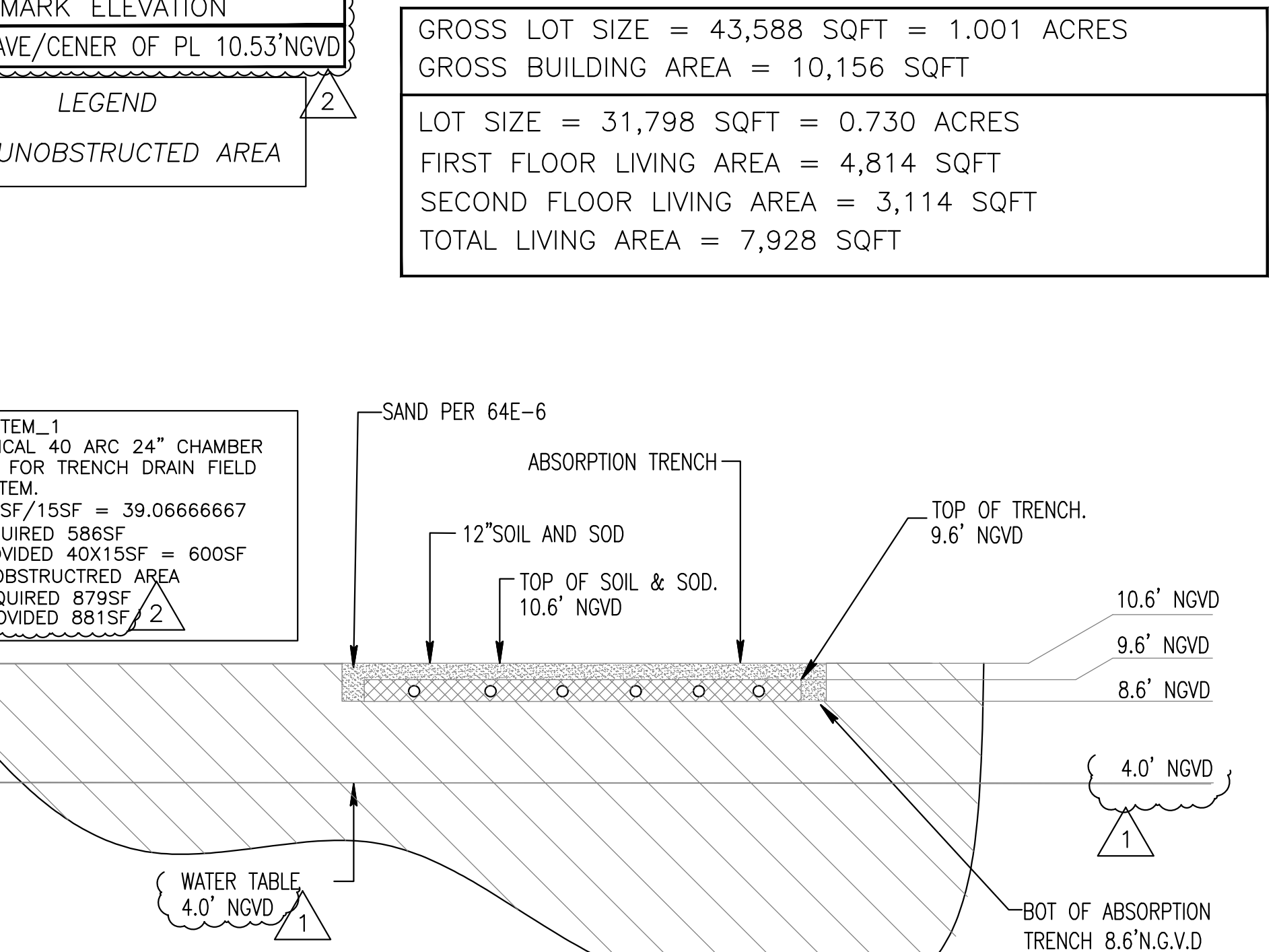
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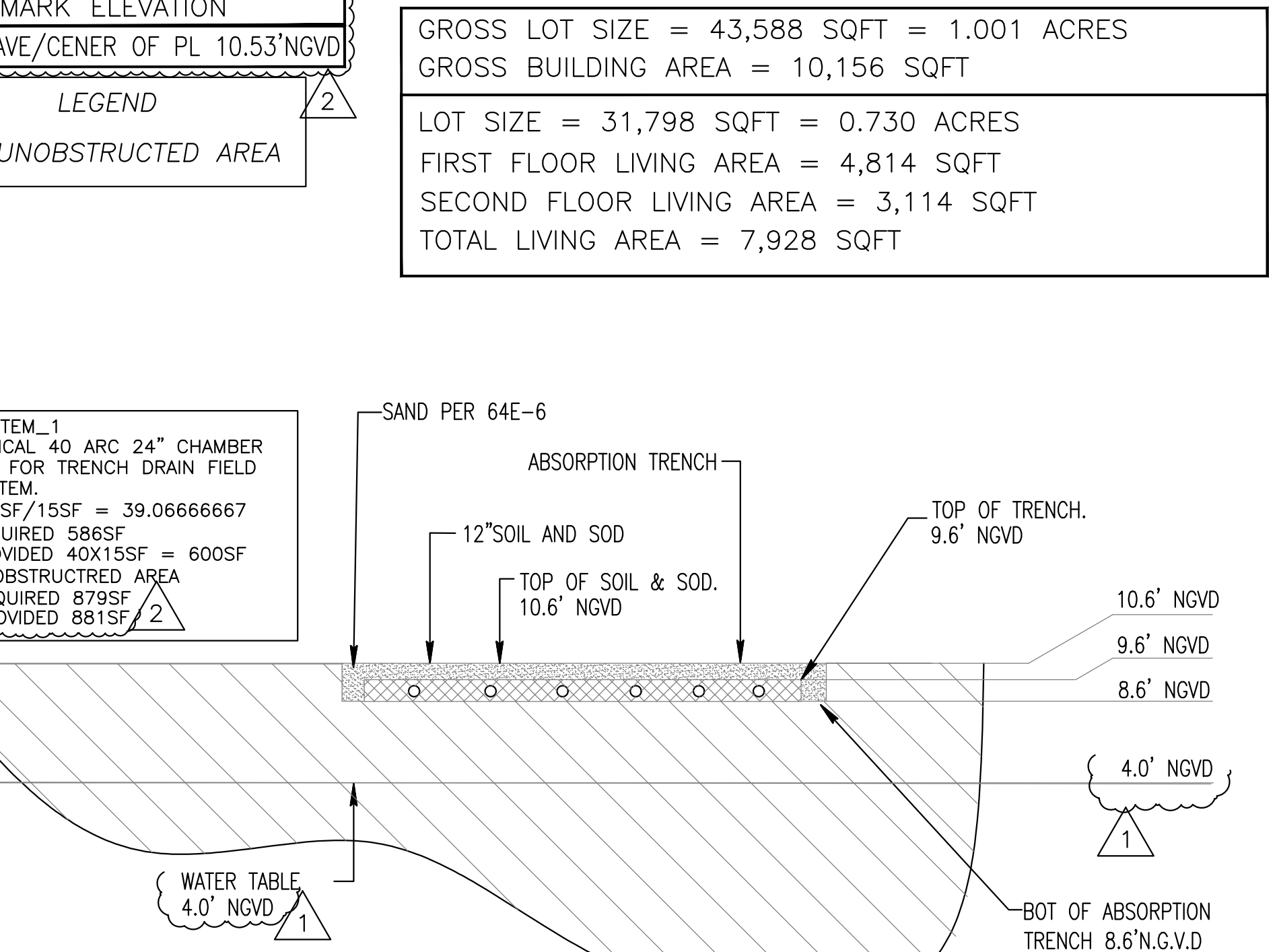
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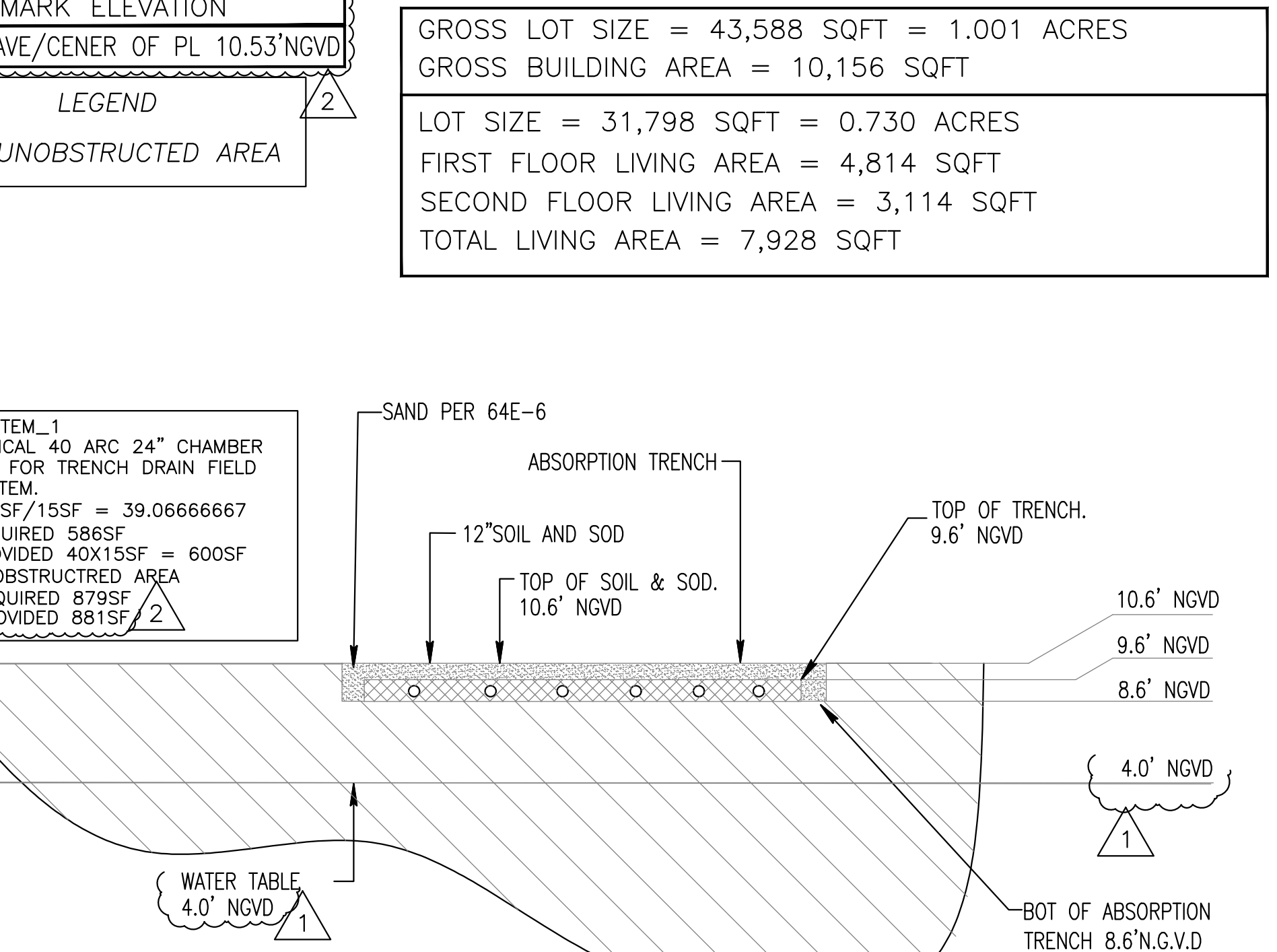
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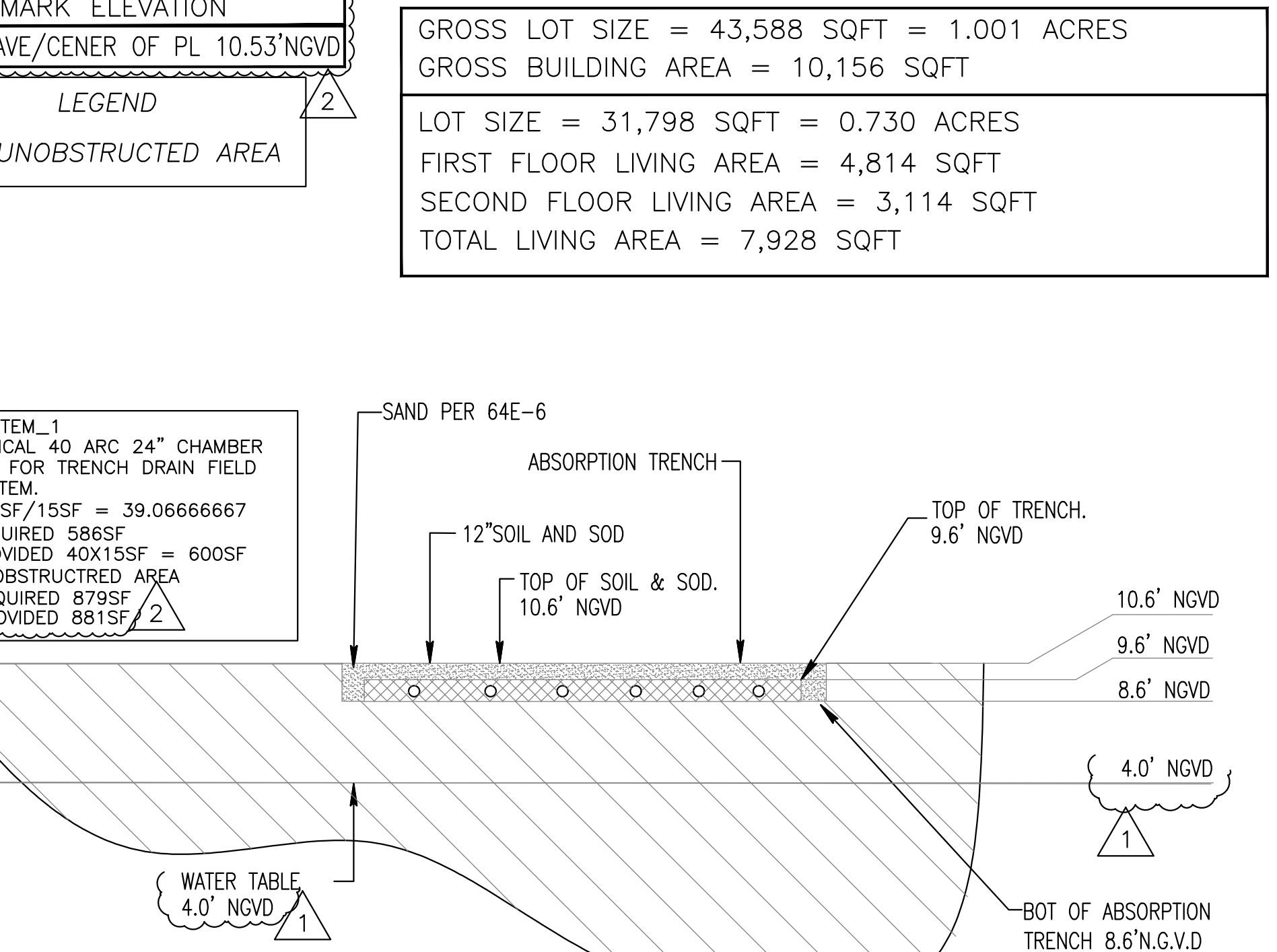
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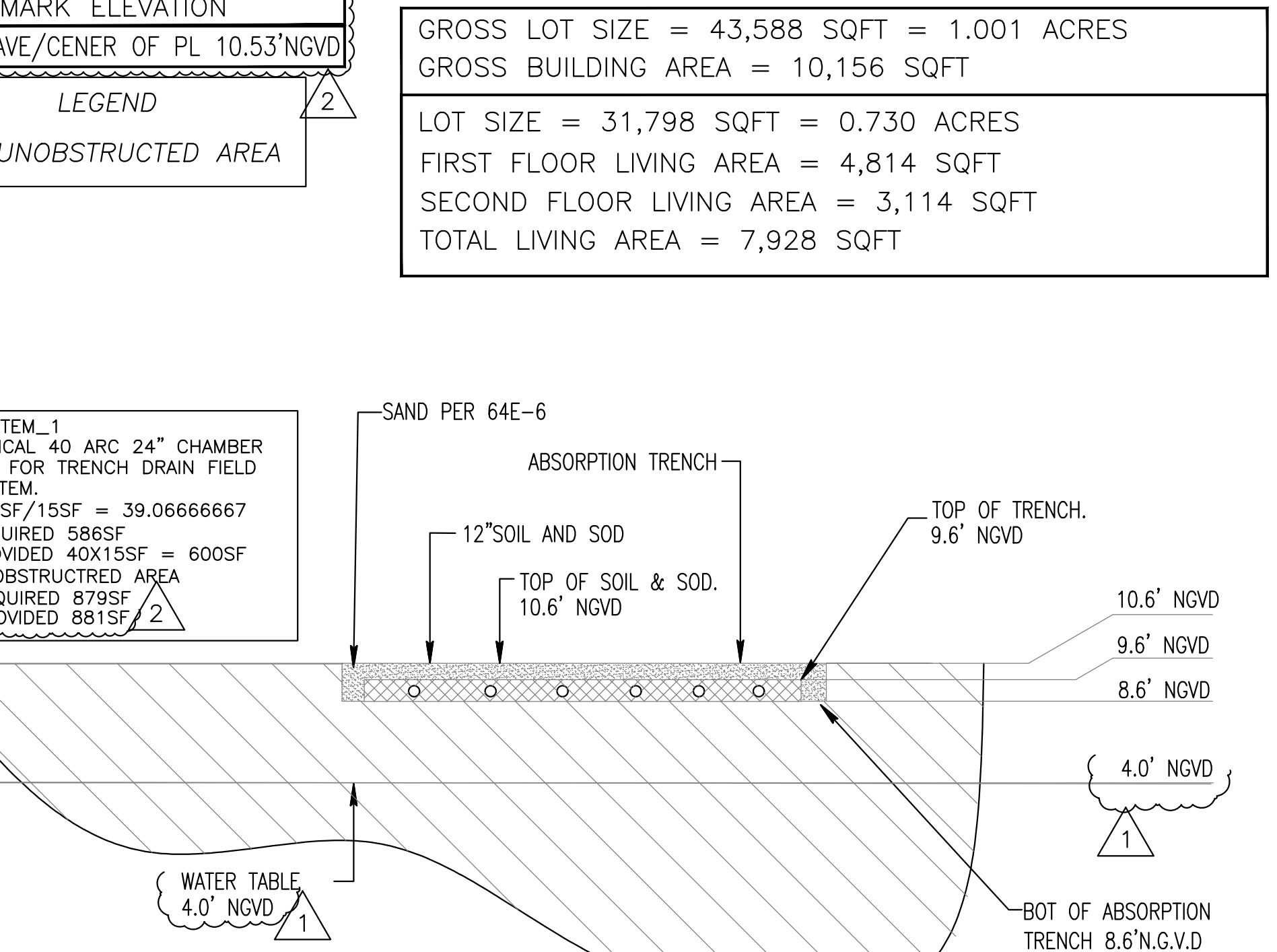
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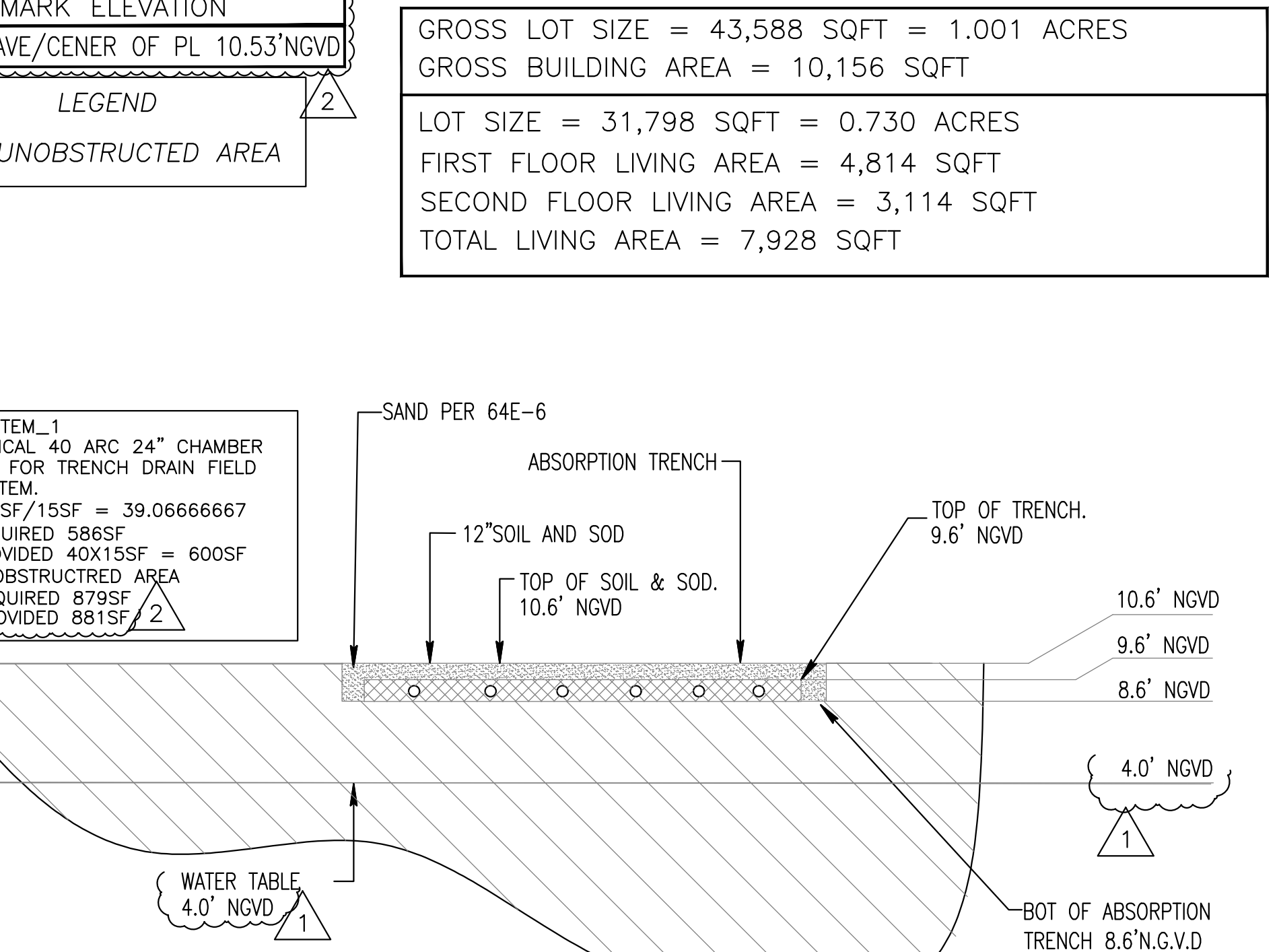
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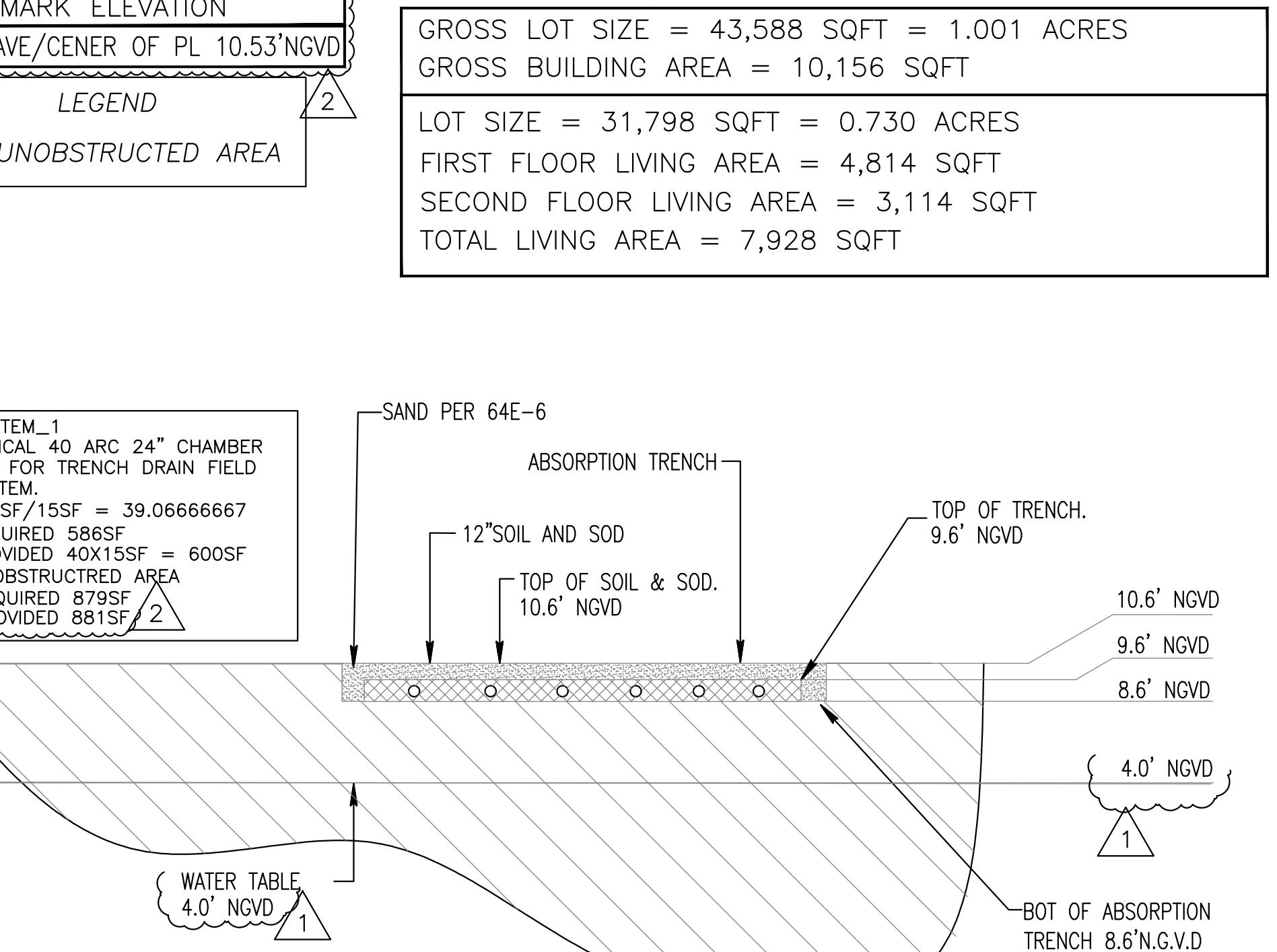
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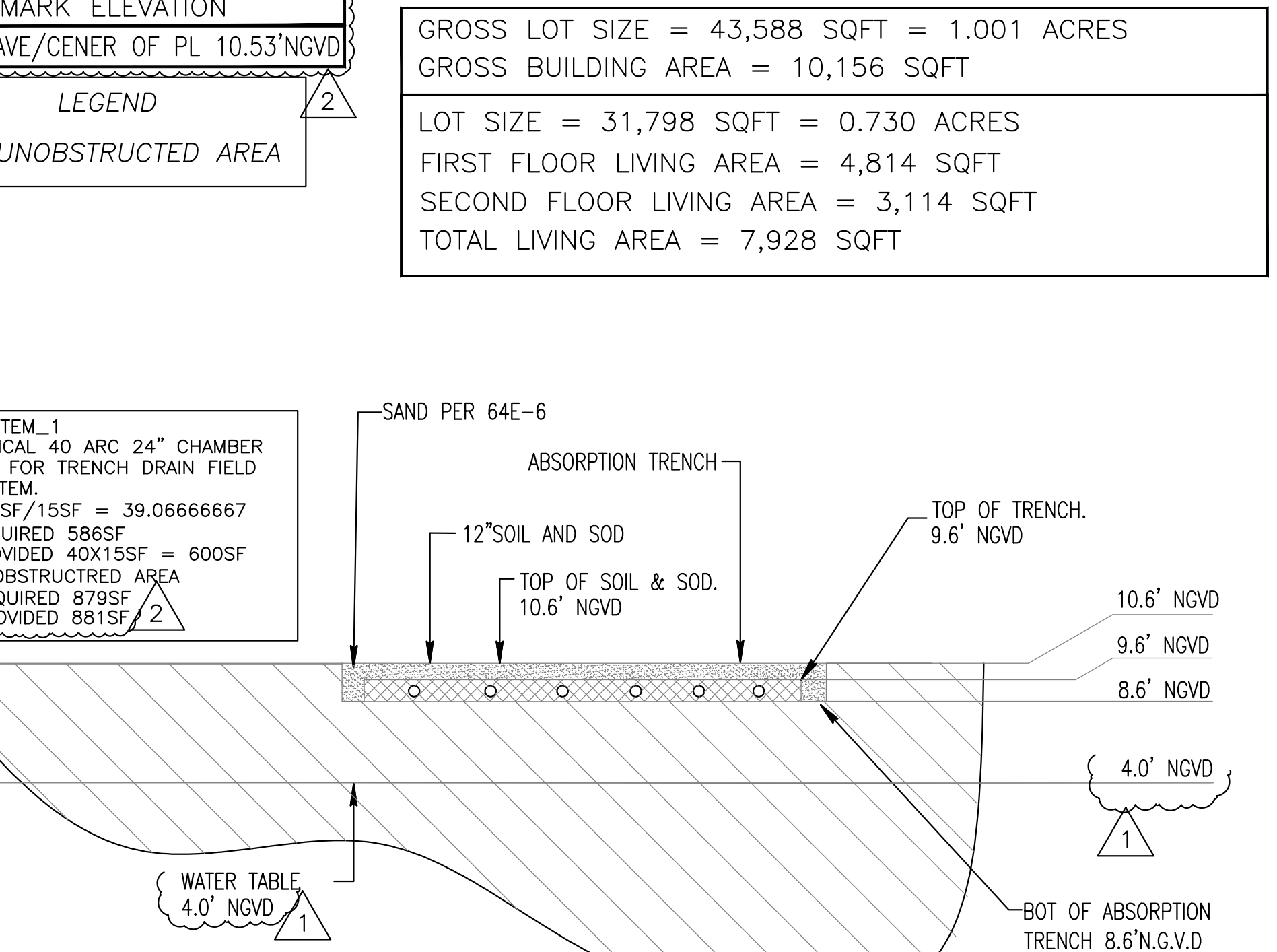
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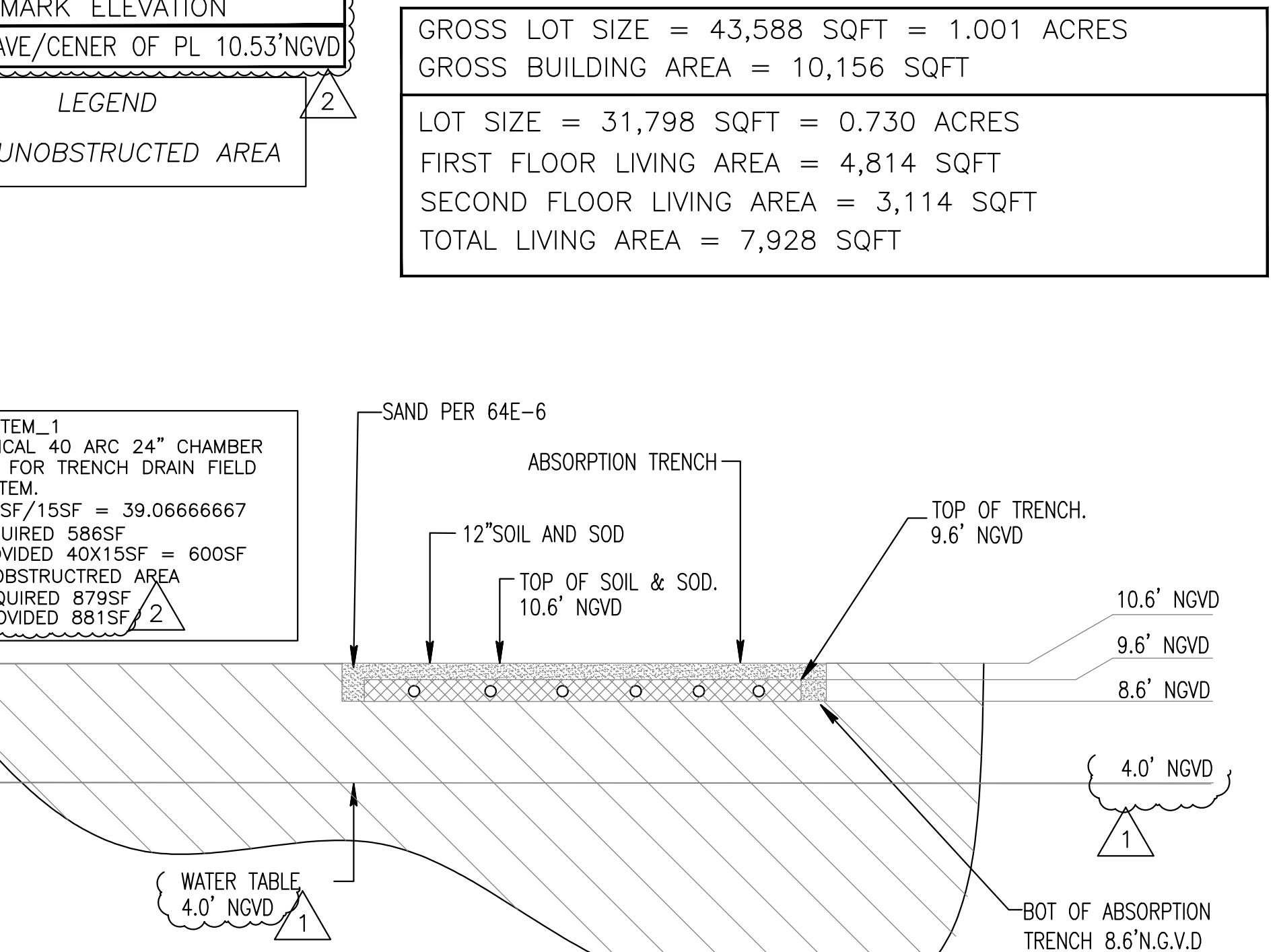
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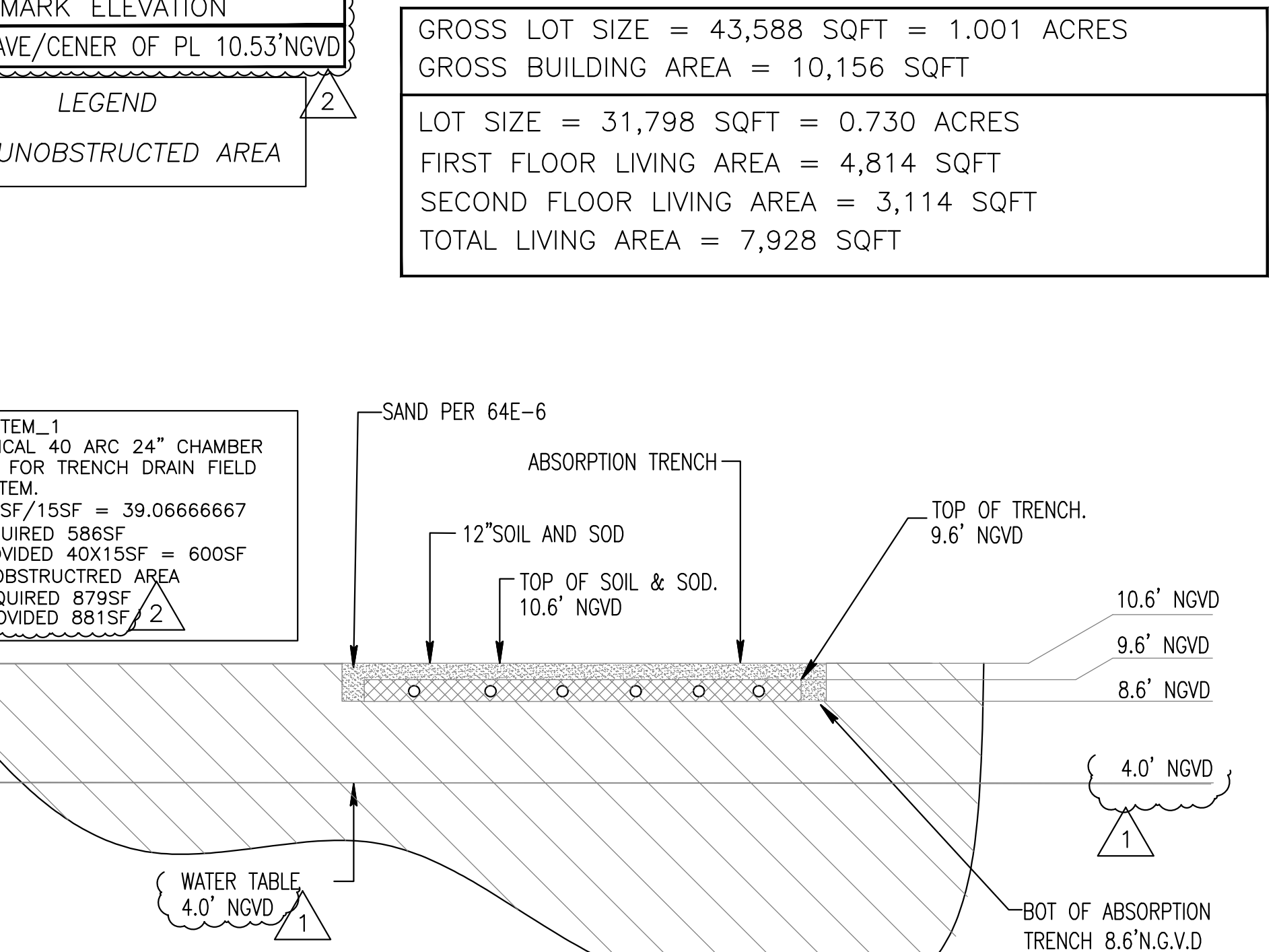
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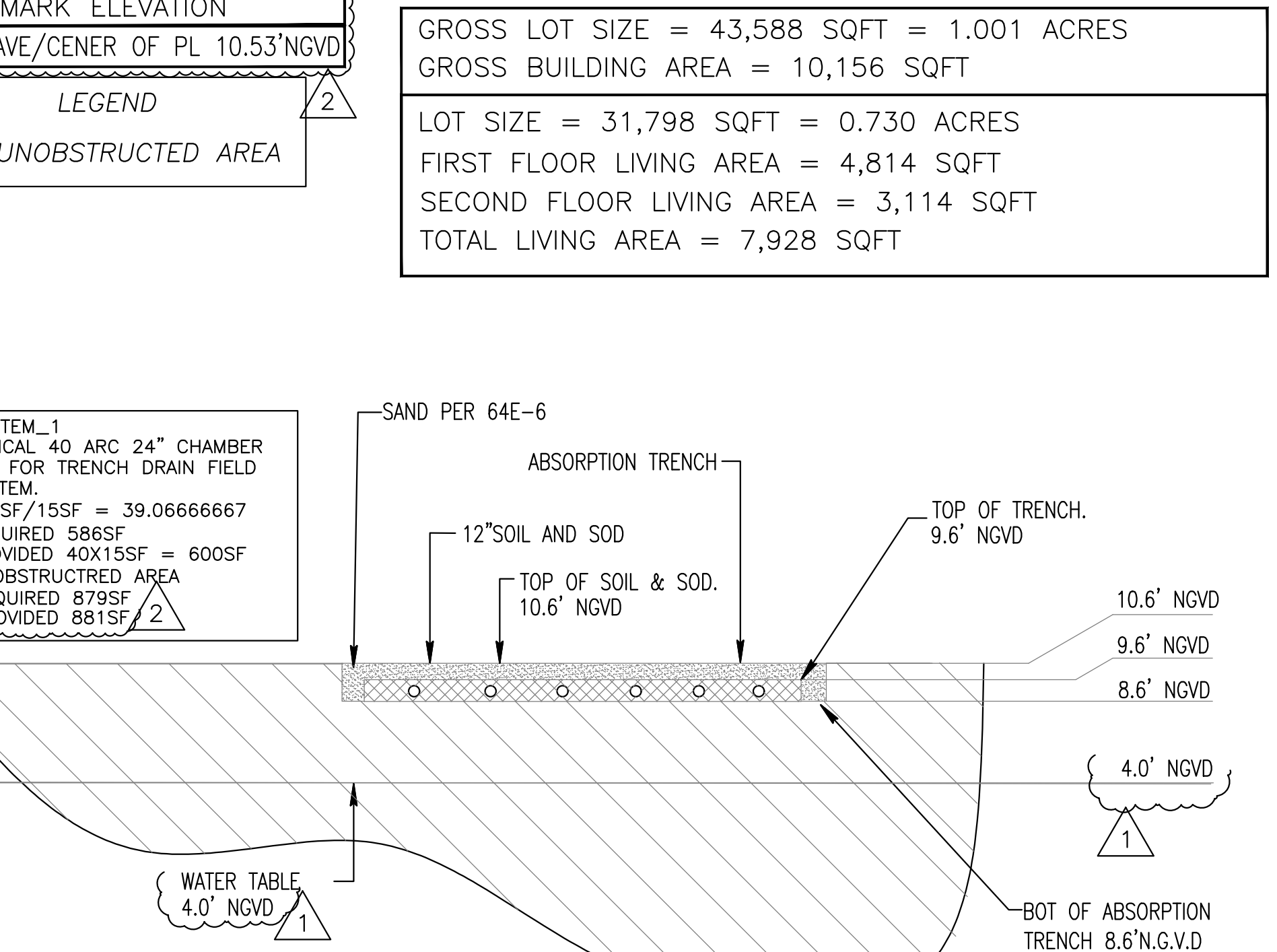
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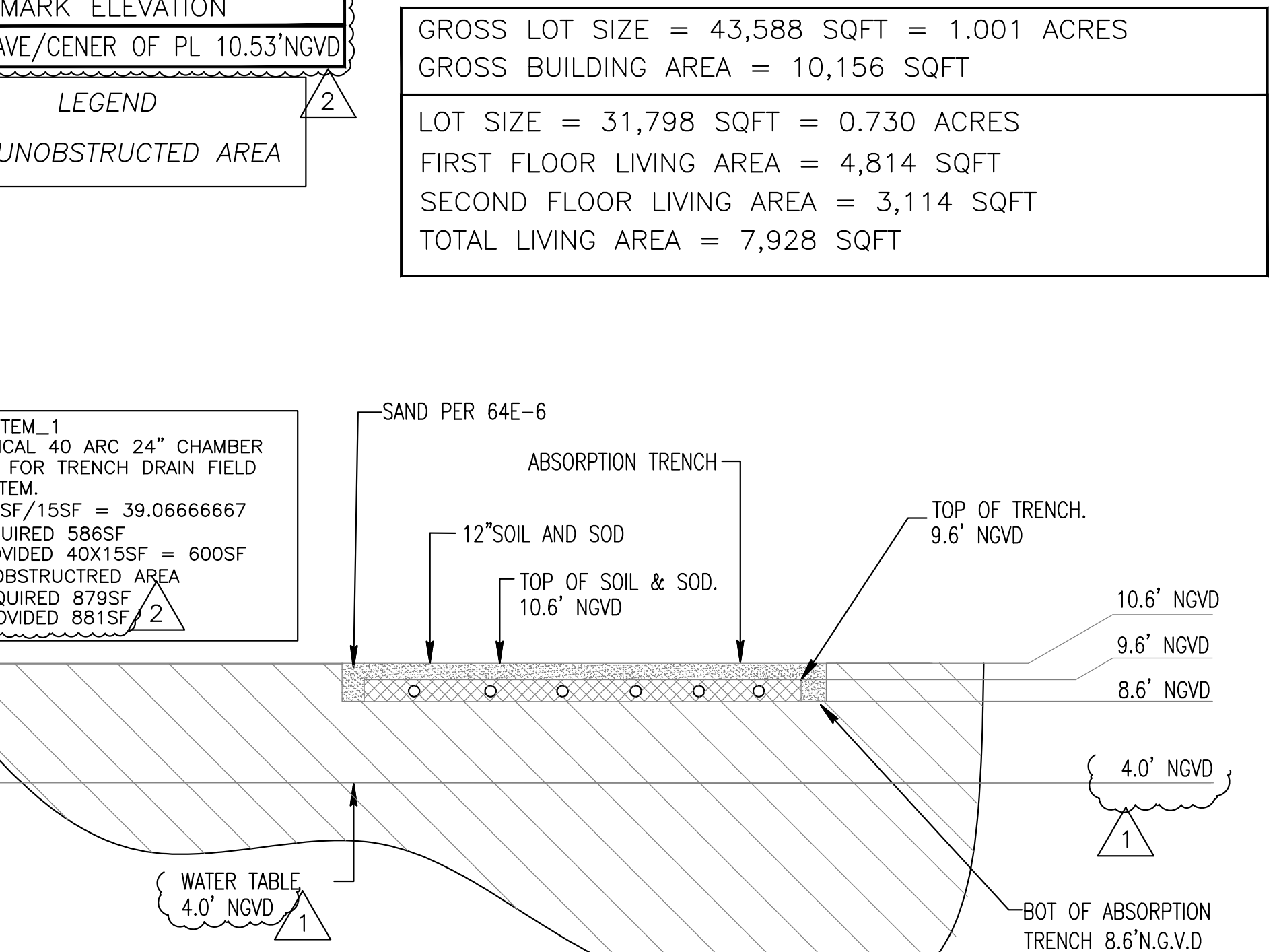
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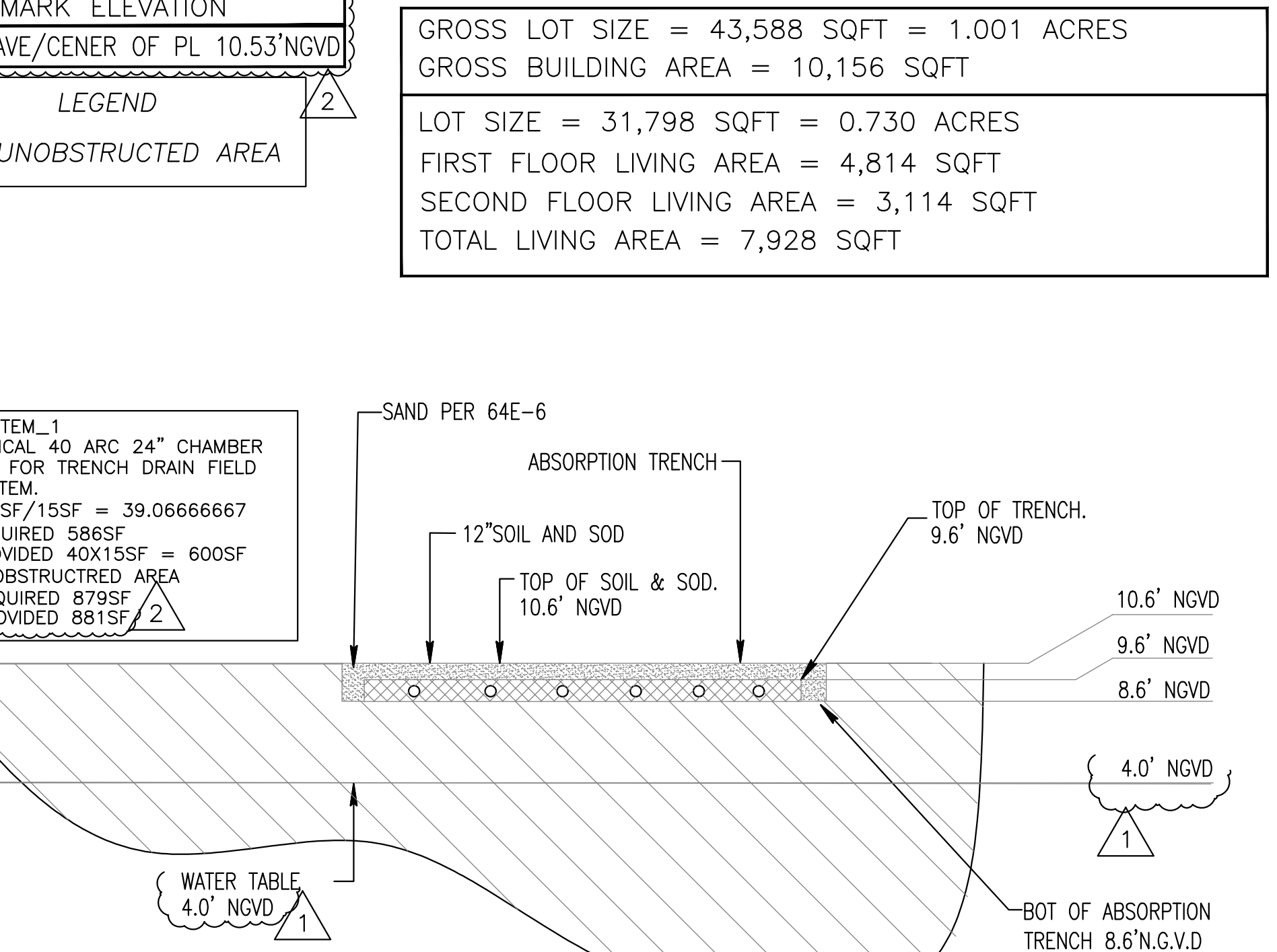
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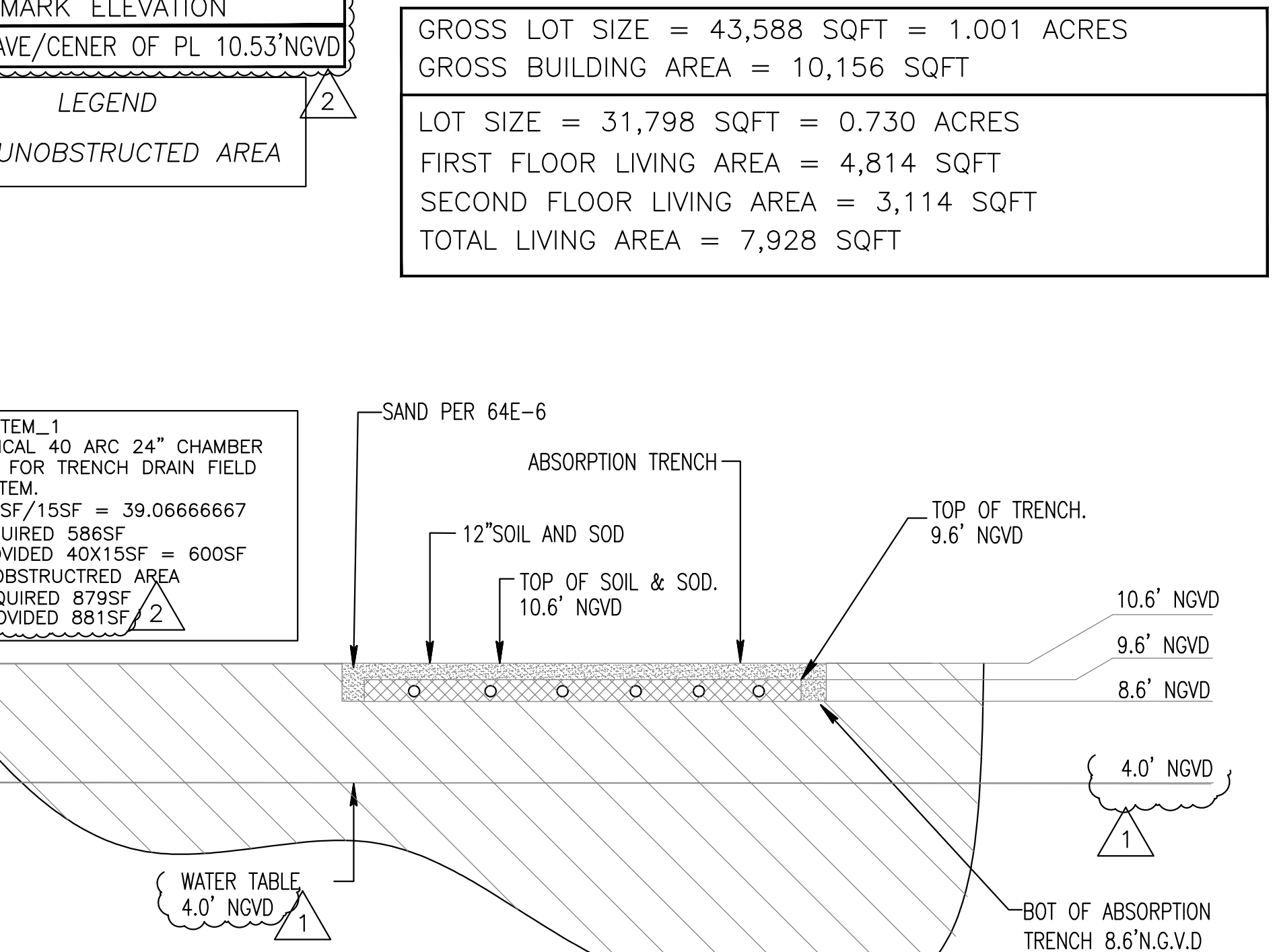
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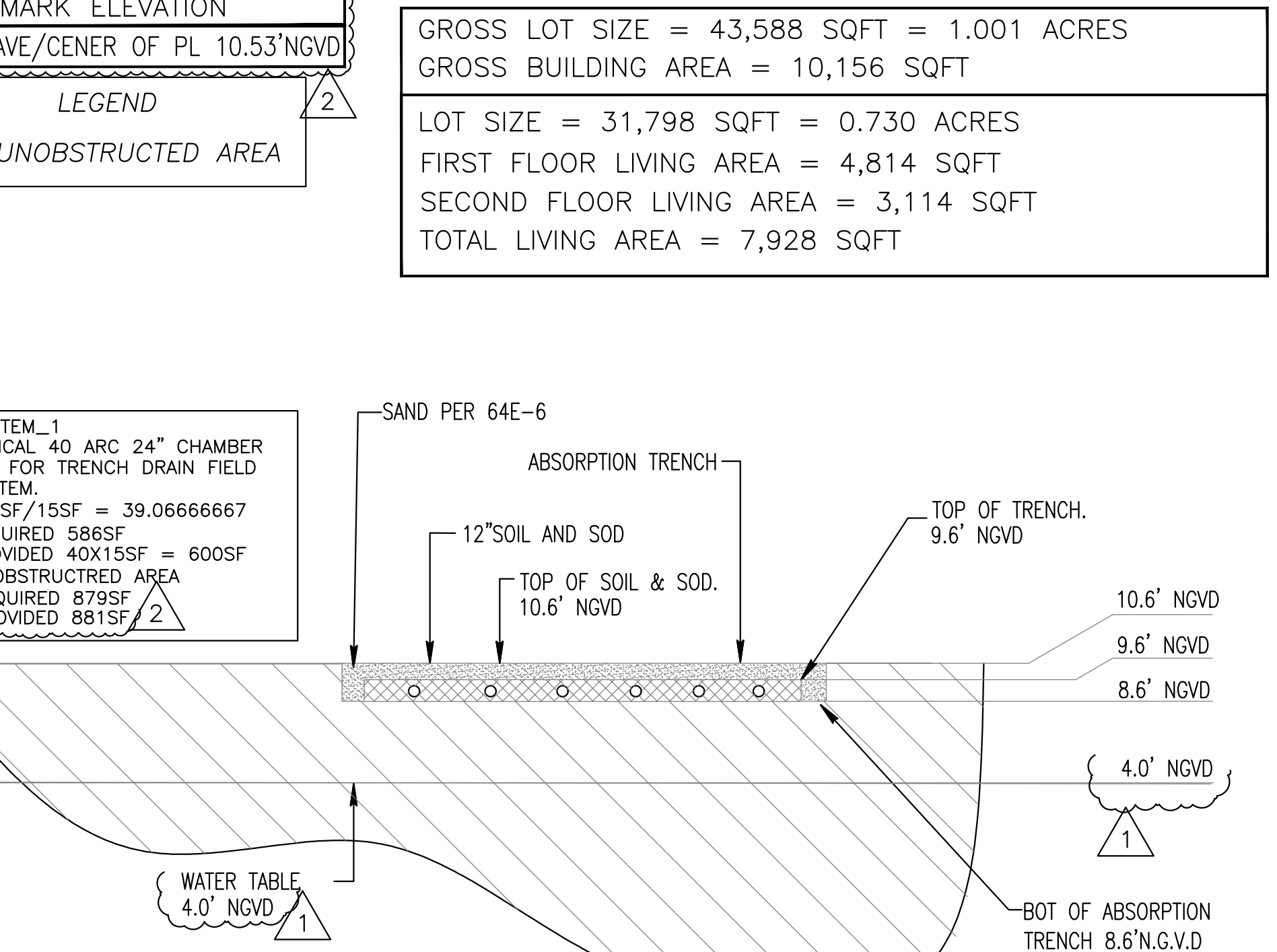
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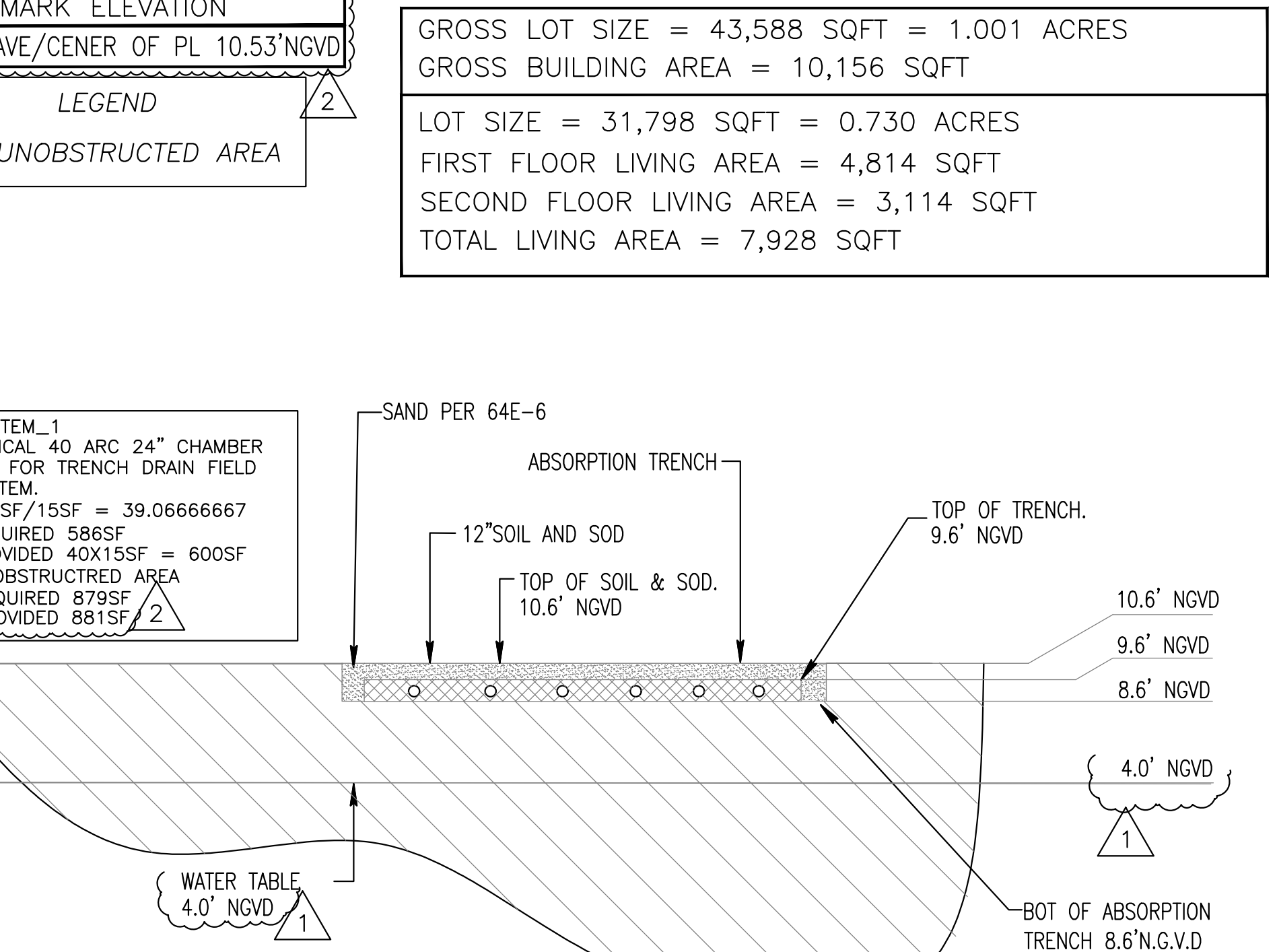
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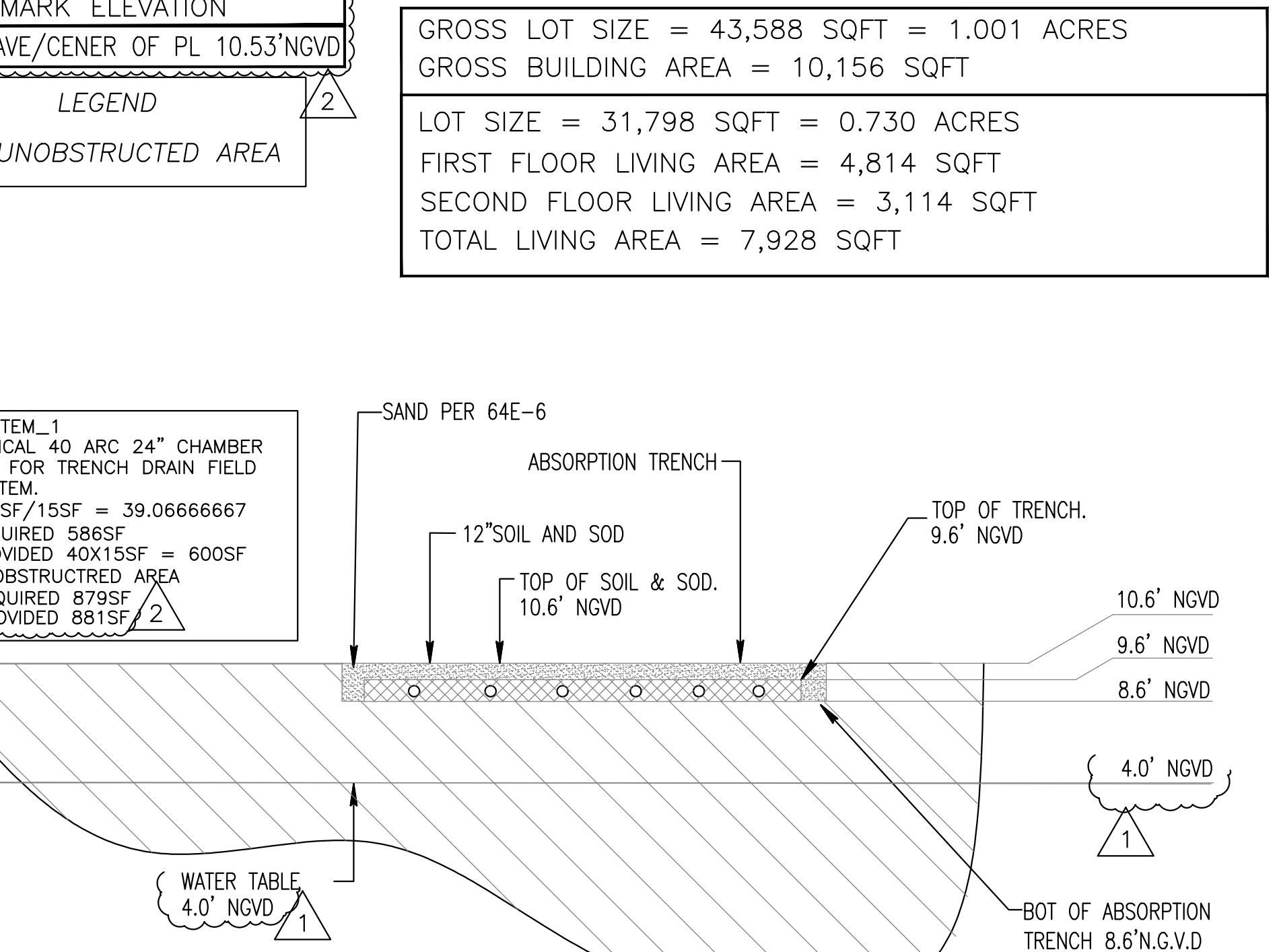
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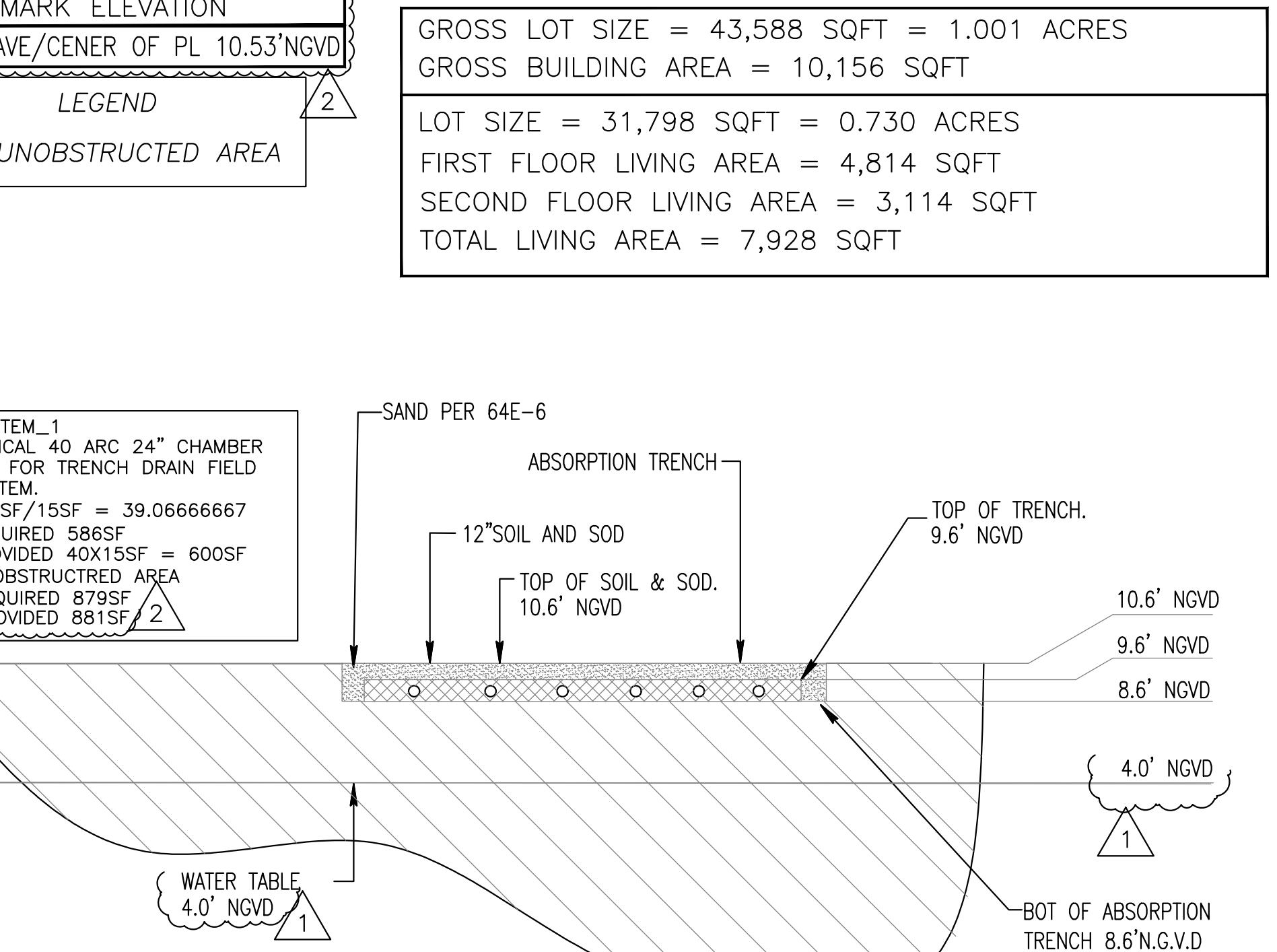
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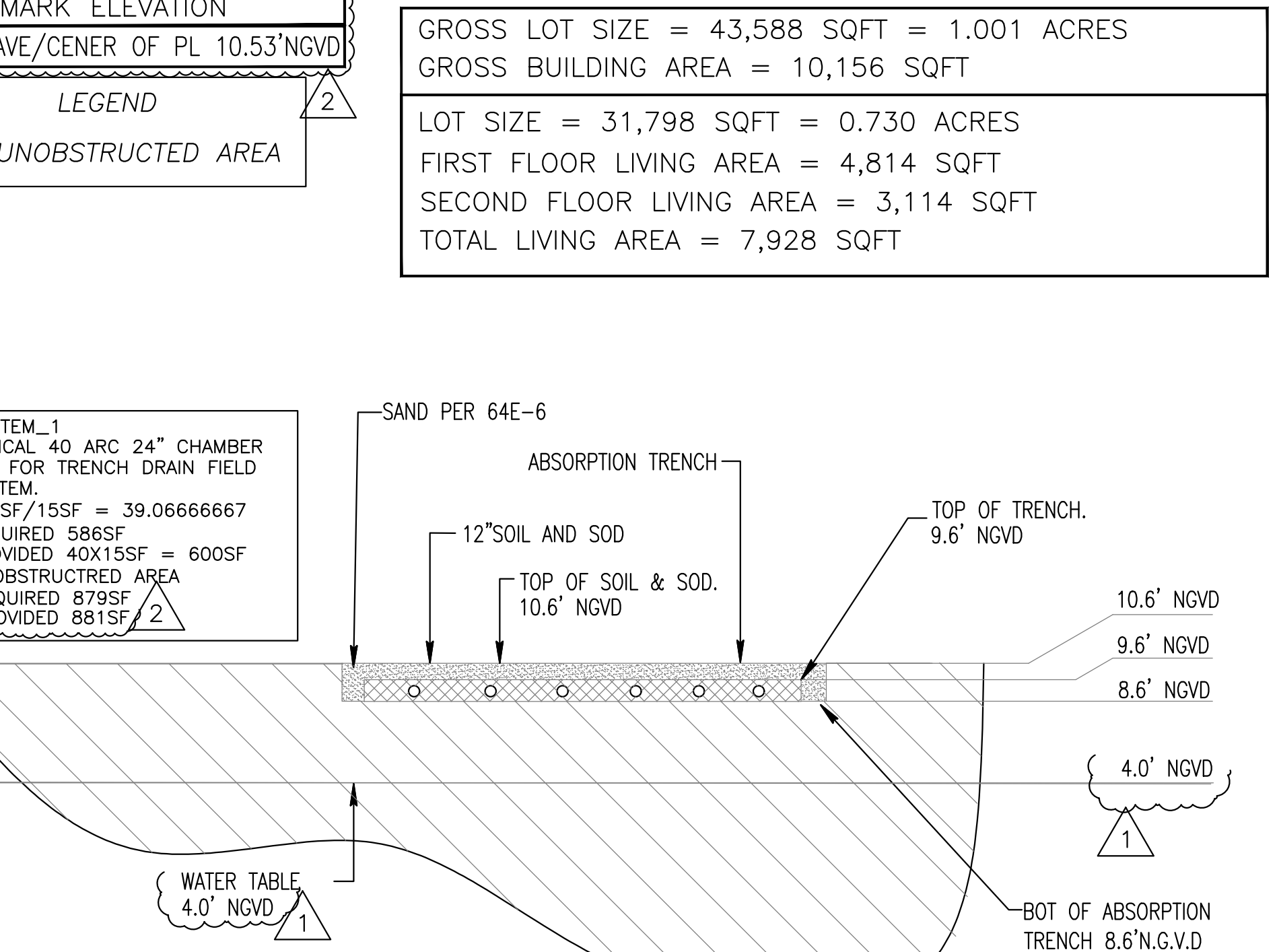
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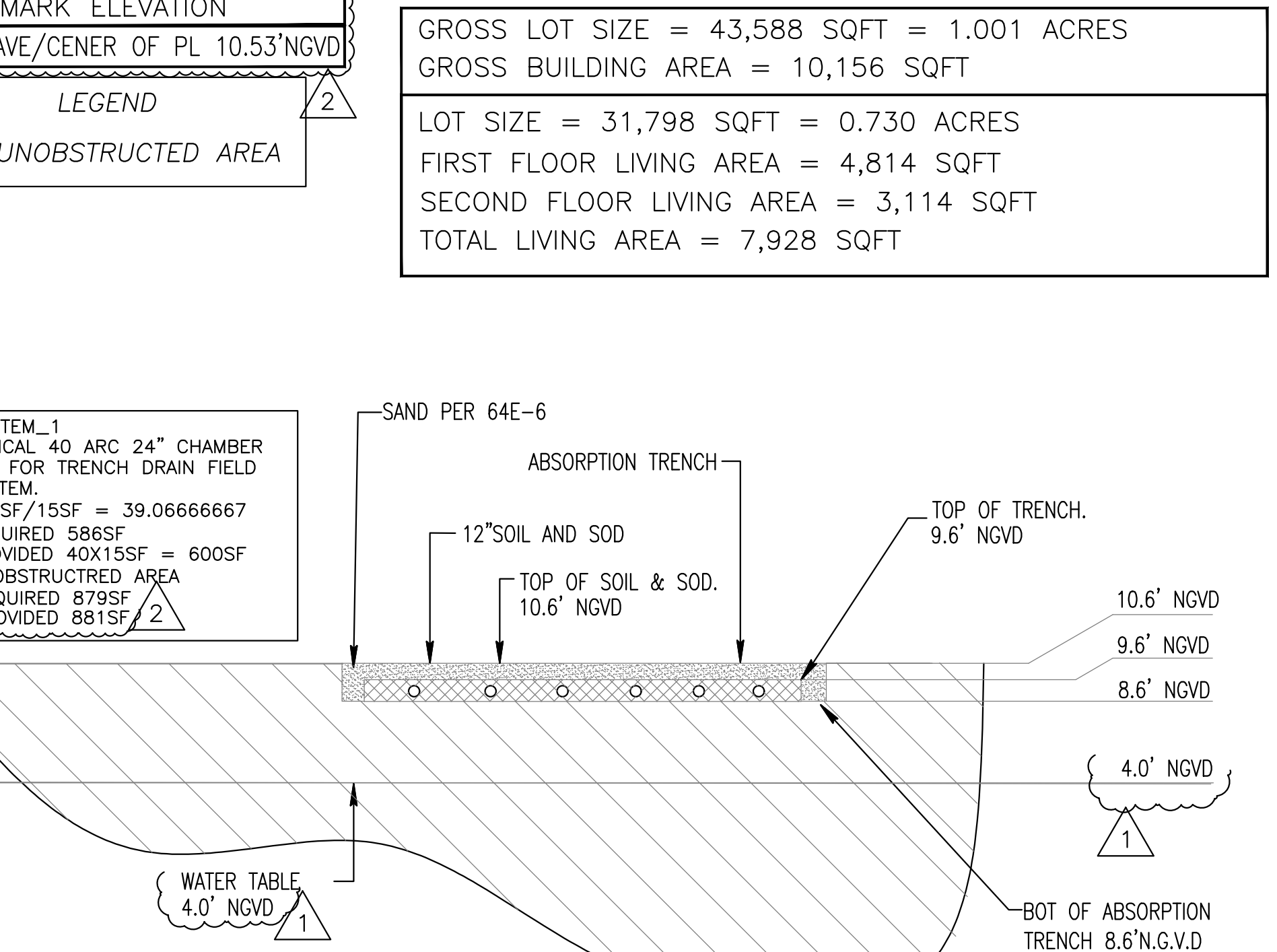
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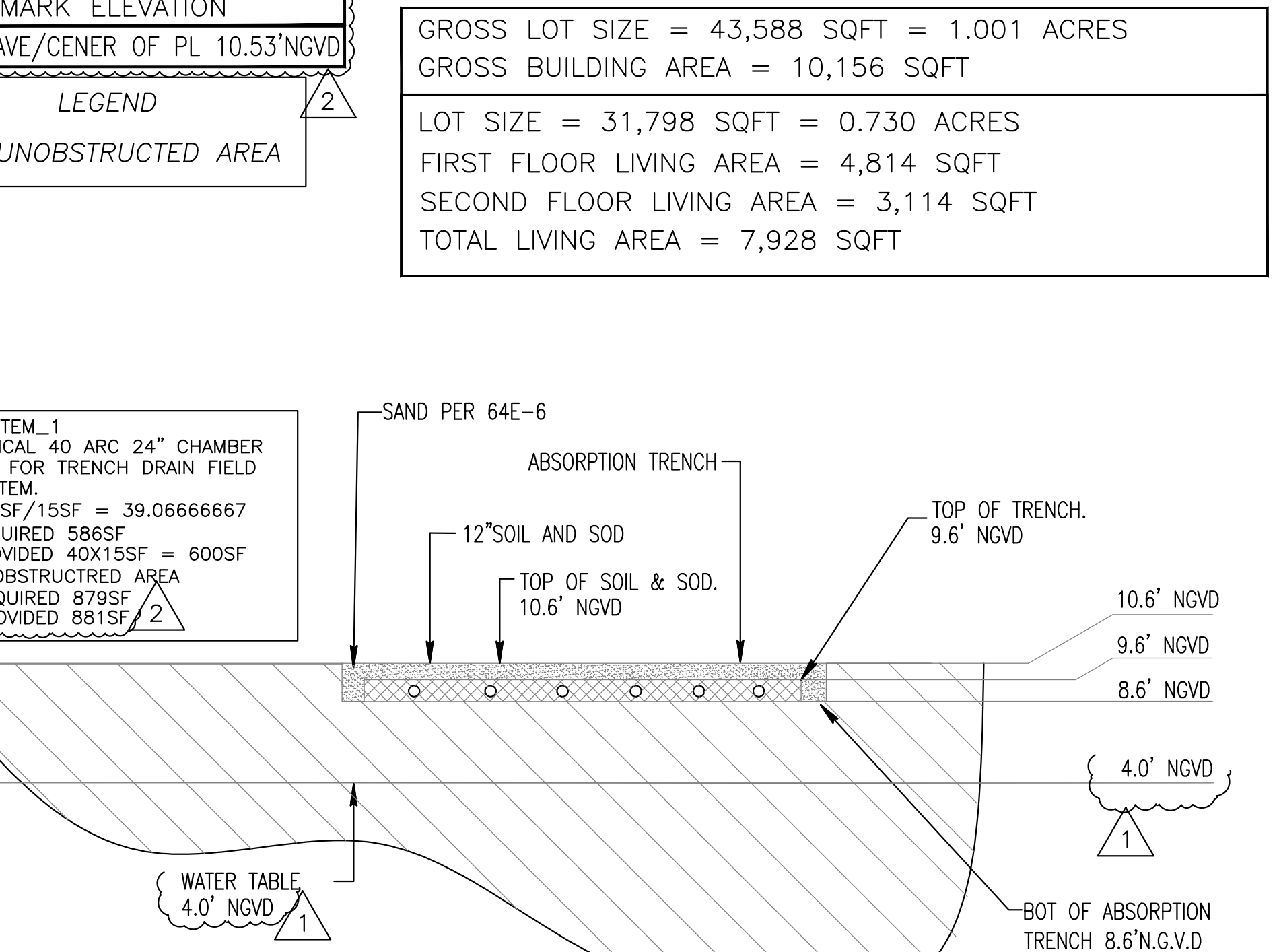
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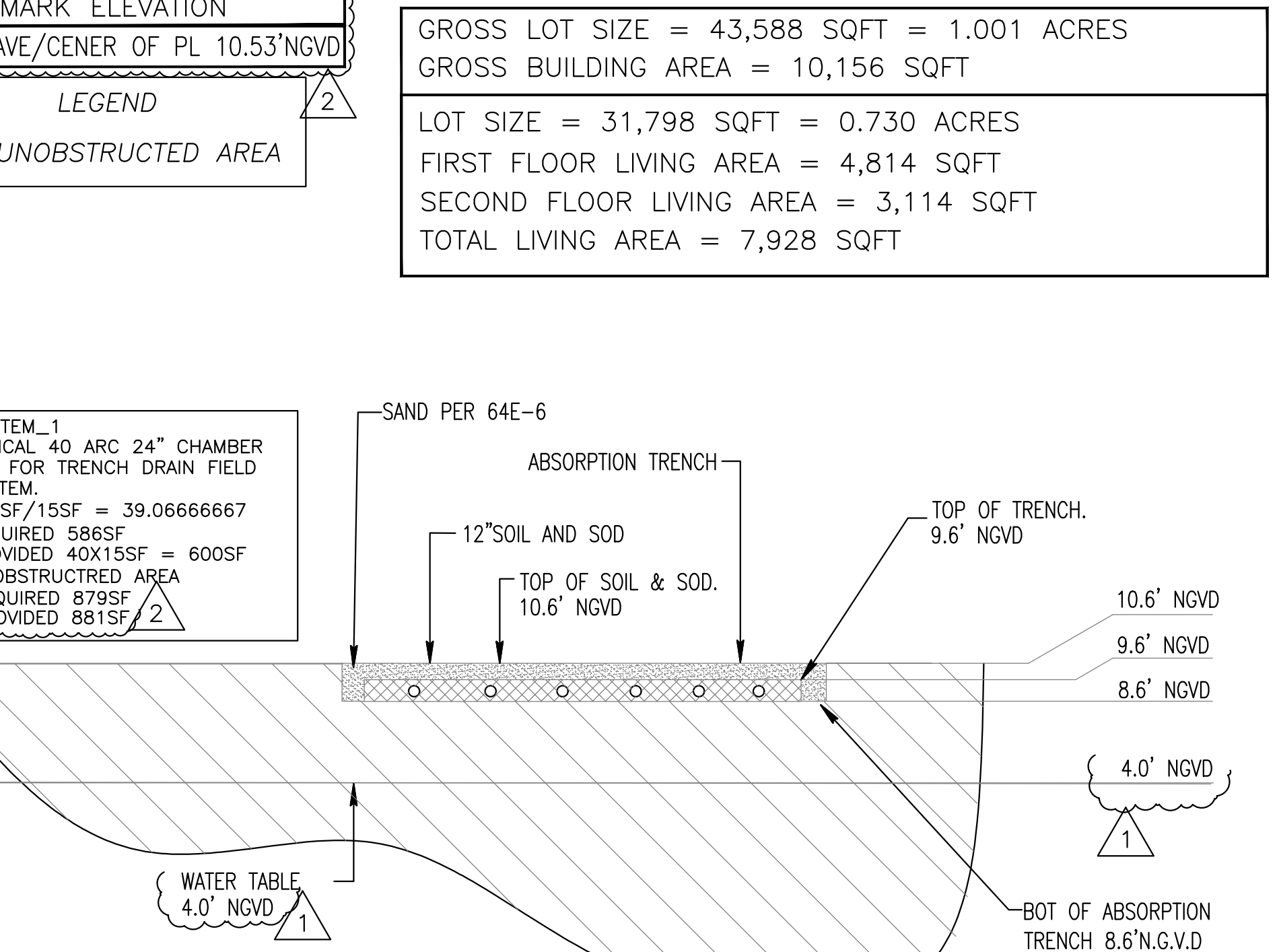
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SEPTIC SYSTEM#1 CALCULATIONS:  
469 GPD / 0.80 = 586 SQ.FT. OF DRAINFIELD  
586 SQ.FT X 1.5 = 879 SQ.FT. TOTAL UNOBSTRUCTED AREA

DRAINFIELD SYSTEM#1 SECTION

N.T.S



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