

LEGEND

	BENCHMARK
	EX. MONUMENT WELL
	EX. MONUMENTS
	EX. SET MONUMENT
101.97 C	EX. CONCRETE ELEVATION
101.39 FL	EX. FLOWLINE OF CURB ELEVATION
101.39 BSW	EX. BACK OF SIDEWALK ELEVATION
101.14 P	EX. PAVEMENT ELEVATION
101.5	EX. GROUND ELEVATION
---	PROPERTY LINE
---	CENTERLINE
---	EX. FENCE
---	EX. SANITARY SEWER PIPELINE
---	EX. STORM DRAIN PIPELINE
---	EX. WATER PIPELINE
SSMH	EX. SANITARY SEWER MANHOLE
SDMH	EX. STORM DRAIN MANHOLE
W	EX. WATER VALVE
W	EX. WATER WELL
W	EX. NON-POTABLE WATER VALVE
MH	EX. MANHOLE
TMH	EX. TELEPHONE MANHOLE
PMH	EX. PRESSURE MANHOLE
SSCO	EX. SANITARY SEWER CLEAN OUT
FH	EX. FIRE HYDRANT
GV	EX. GAS VALVE
	EX. CATCH BASIN
	EX. DRAIN INLET
HW	EX. TRAFFIC SIGNAL HAND WELL
	EX. TRAFFIC SIGNAL LOOP DETECTOR
GP	EX. BOLLARD
	EX. LIGHT
	EX. STREET LIGHT
	EX. SIGN
PP	EX. POWER POLE
TP	EX. TELEPHONE POLE
JP	EX. JOINT UTILITY POLE
GP	EX. GUY POLE
SP	EX. UTILITY SERVICE POLE
	EX. TREE
C	EX. CABLE CHRISTY BOX
E	EX. ELECTRICAL CHRISTY BOX
F	EX. FIRE ALARM CHRISTY BOX
G	EX. GAS CHRISTY BOX
I	EX. IRRIGATION CHRISTY BOX
L	EX. STREET LIGHT CHRISTY BOX
M	EX. COMMUNICATION CHRISTY BOX
R	EX. TRAFFIC CHRISTY BOX
S	EX. IRRIGATION CONTROL VALVE BOX
T	EX. TELEPHONE CHRISTY BOX
U	EX. UTILITY CHRISTY BOX
W	EX. WATER CHRISTY BOX
10" SS	PROP. SANITARY SEWER PIPELINE
18" SD	PROP. STORM DRAIN PIPELINE
12" W	PROP. WATER PIPELINE
12" RW	PROP. NON-POTABLE WATER PIPELINE
SMH~1	PROP. SEPARATION MANHOLE
SDMH~1	PROP. STORM DRAIN MANHOLE
	PROP. CATCH BASIN
DI~1	PROP. DROP INLET
SSCO~1	PROP. SANITARY SEWER CLEAN OUT
SSMH~1	PROP. SANITARY SEWER MANHOLE
	PROP. POTABLE WATER VALVE
	PROP. NON-POTABLE WATER VALVE
	PROP. FIRE HYDRANT
	PROP. WATER BLOW-OFF ASSEMBLY
	PROP. HOT MIX ASPHALT
	PROP. CONCRETE

ABBREVIATIONS

C	CONCRETE
P	PAVEMENT
R	RADIUS
L	LENGTH
S	SLOPE
W	POTABLE WATER
OC	ON CENTER
BC	BEGINNING OF CURVE
EC	END OF CURVE
AC	ASPHALT CONCRETE
DI	DROP INLET
AV	AIR VENT
IV	IRRIGATION VALVE
AB	AGGREGATE BASE
SF	SQUARE FEET
CY	CUBIC YARD
RW	RIGHT-OF-WAY
PL	PROPERTY LINE
CL	CENTER LINE
FL	FLOWLINE
EP	EDGE OF PAVEMENT
TC	TOP OF CURB
EX	EXISTING
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
AP	ANGLE POINT
UP	UTILITY POLE
PP	ELECTRICITY POLE
TP	TELEPHONE POLE
JP	JOINT UTILITY POLE
SP	SERVICE POLE
GP	GUY POLE
LF	LINEAR FOOT
CB	CATCH BASIN
SS	SANITARY SEWER
SD	STORM DRAIN
APN	ASSESSORS PARCEL NUMBER
BSW	BACK OF SIDEWALK
INV	INVERT
HMA	HOT MIX ASPHALT
NPW	NON-POTABLE WATER
TYP	TYPICAL
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
IDB	IRRIGATION DISTRIBUTION BOX
ISP	IRRIGATION STAND PIPE
PROP	PROPOSED
RHMA	RUBBERIZED HOT MIX ASPHALT
SSMH	SANITARY SEWER MANHOLE
SSCO	SANITARY SEWER CLEAN OUT
SDMH	STORM DRAIN MANHOLE

CONTACTS

<u>CITY OF TURLOCK, ENGINEERING DIVISION</u> (209) 668-5520
<u>CITY OF TURLOCK, MUNICIPAL SERVICES DEPARTMENT</u> (209) 668-5590 FOR SEWER, STORM AND WATER LINES
<u>TURLOCK IRRIGATION DISTRICT (ELECTRICAL)</u> (209) 605-0945 DAVID PORATH
<u>TURLOCK IRRIGATION DISTRICT (IRRIGATION)</u> (209) 883-8385 BILL PENNEY
<u>CHARTER COMMUNICATIONS</u> (408) 612-7569 MITCHELL RODRIGUEZ
<u>PACIFIC GAS &amp; ELECTRIC</u> (209) 561-6070 TRENT MILLSAP
<u>AT&amp;T</u> (209) 507-1689 JIM JELLEY
<u>FIRE DEPARTMENT (NON-EMERGENCY)</u> (209) 668-5580
<u>POLICE DEPARTMENT (NON-EMERGENCY)</u> (209) 668-1200
<u>AMBULANCE</u> (209) 632-2271
<u>TURLOCK SCAVENGER</u> (209) 668-7274

# CITY OF TURLOCK

## CAPITAL PROJECT NO. 25-041

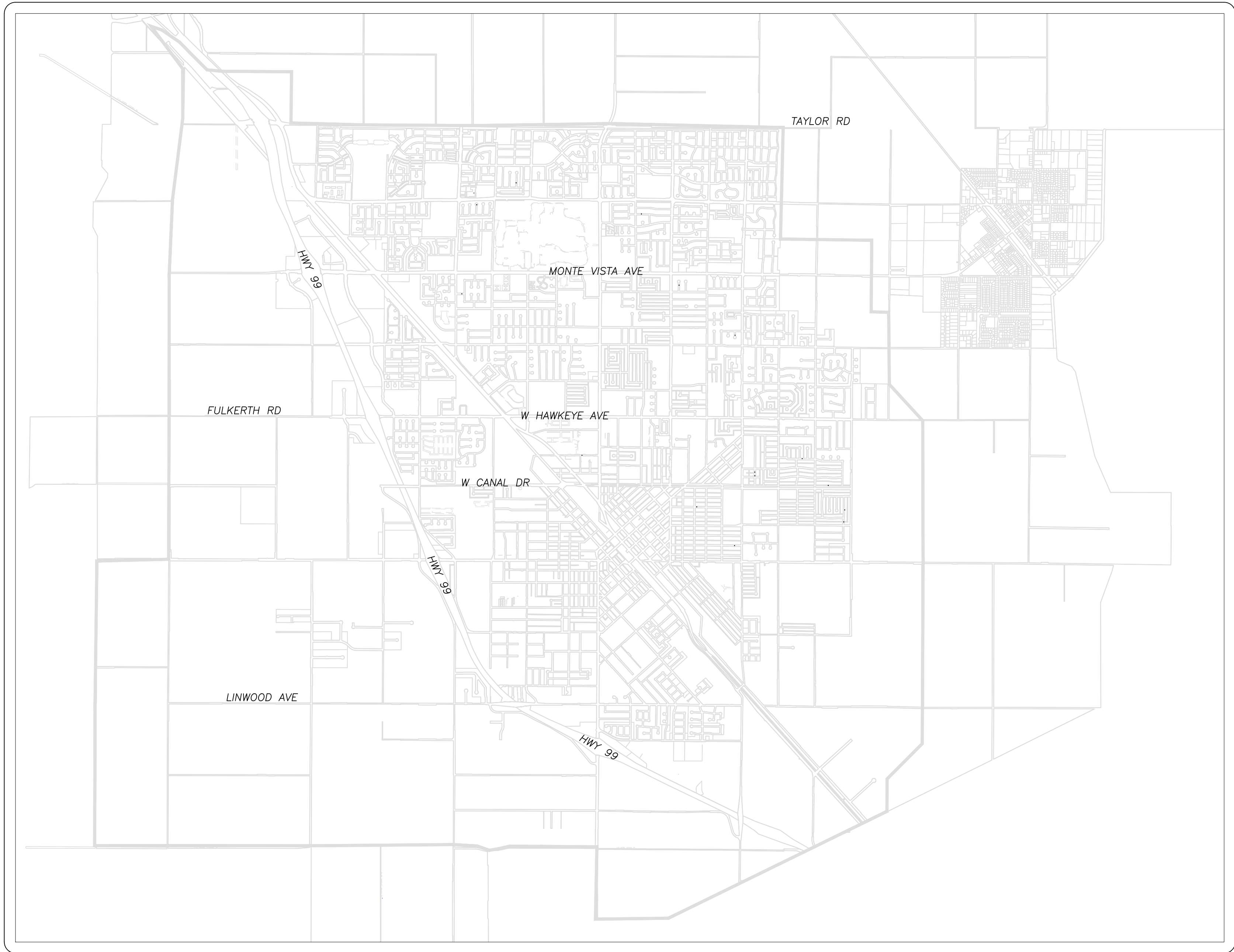
### CITY UTILITY TRENCH REPAIR - 2025

SHEET INDEX

SHEET	DESCRIPTION
1	SHEET INDEX, LEGEND & VICINITY MAP
2	LOCATION PLAN & GENERAL NOTES
3	TRENCHES WITH IRREGULAR DIMENSIONS
4	TRENCHES WITH IRREGULAR DIMENSIONS
5	CONSTRUCTION DETAILS

REVIEWED BY

*Carlos Guerrero* 9/3/25  
CARLOS GUERRERO, UTILITIES MANAGER DATE



VICINITY MAP



NOTE:  
ALL REFERENCES AND WRITTEN  
DIMENSIONS SHALL SUPERCEDE  
ALL SCALED DISTANCES AND  
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FIELD. ANY DISCREPANCY SHALL  
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THE COMMENCEMENT OF WORK.

REVIEWED BY:  
  
STEPHEN R. FREMMING, P.E.  
PRINCIPAL CIVIL ENGINEER  
  
9/5/2025  
  
DATE

APPROVED BY:  
*William D. Morris*  
WILLIAM D. MORRIS, R.C.E. 55910  
CITY ENGINEER  
  
09/02/2025  
PLANS APPROVAL DATE



CITY OF TURLOCK  
MUNICIPAL SERVICES DEPARTMENT  
ENGINEERING DIVISION  
156 S. BROADWAY, STE 150  
(209) 668-5520

SHEET INDEX, LEGEND, & VICINITY MAP  
  
CAPITAL PROJECT NO. 25-041  
CITY UTILITY TRENCH REPAIR - 2025

VERIFY SCALE  
BAR IS 1" ON  
ORIGINAL DRAWING  
0 1/4" 3/4" 1"  
1/2"  
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THIS SHEET, ADJUST  
SCALES ACCORDINGLY

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REV. BY: SF  
CH. BY:  
DATE: AUGUST 28, 2025  
SCALE: NOT TO SCALE  
25-041 DRAWINGS.DWG

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OF 05





TRENCH LOCATIONS

ID #	LOCATION	UTILITY	DIA (IN)	LENGTH (FT)	WIDTH (FT)	TRENCH AREA (SQ FT)	GRIND/PAVE SURFACE AREA (SQ FT)
1	991 EDWARD	SS	6	REFER TO SHEET 3		66	449
2	940 EDWARD	W	1	REFER TO SHEET 3		88	370
3	2280 MIRA FLORES (ALLEY)	SS	4	3	22	66	220
4	1533 MERRITT ST	SS	4	2.5	4	10	100
5	2555 E CANAL DR (IN ALLEY)	SS	4	REFER TO SHEET 3		93	330
6	3931 SUPREME CT	SS	4	REFER TO SHEET 3		148	488
7	455 BENNINGTON (N SIDE OF ST)	W	1	REFER TO SHEET 3		41	187
8	485 CORELLO ST (ALLEY)	SS	4	4	6	24	100
9	585 CORELLO (ALLEY)	SS	4	REFER TO SHEET 3		61	263
10	1301 COOPER AVE	SS	4	REFER TO SHEET 3		82	399
11	1625 GOMES LN	SS	4	REFER TO SHEET 3		105	437
12	215 ALMOND AVE	W	1	REFER TO SHEET 4		116	426
13	2525 TERESA	SS	4	REFER TO SHEET 4		50	170
14	4126 PIRO CT	SS	4	REFER TO SHEET 4		96	368
15	3061 LINFIELD CT	SS	4	REFER TO SHEET 4		73	340
TOTAL						1119	4647

NOTES:

1. TRENCH REPAIRS SHALL BE DONE IN ACCORDANCE WITH THE MODIFIED CITY DRAWINGS T-1 THROUGH T-3 AS SHOWN ON SHEET 5 OF THESE PLANS, AND SHALL COMPLY WITH ALL CITY OF TURLOCK STANDARDS. PER THE MODIFIED DRAWINGS T-1 AND T-2 THE CONTRACTOR SHALL EXCAVATE AND REMOVE EXISTING MATERIAL TO THE TOP OF PIPE.
2. TRENCH BACKFILL SHALL BE COMPACTED TO 95% BEFORE PLACING 6-INCH AB. COMPACTION TESTING WILL BE PROVIDED BY THE CITY. COORDINATE TESTING REQUESTS WITH CITY ENGINEERING INSPECTOR.
3. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME INVERT OF UTILITIES ARE LOCATED A MAXIMUM DEPTH OF 4 FEET BELOW EXISTING PAVEMENT AND THAT THE EXISTING DEPTH OF ASPHALT PAVEMENT IS 4 INCHES.
4. CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT FROM THE CITY OF TURLOCK PRIOR TO BEGINNING WORK (NO FEE).
5. CONTRACTOR SHALL VERIFY DIMENSIONS AND CALCULATIONS OF ALL GRINDING AREAS BEFORE STARTING THE PROJECT.
6. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL SAFETY AND LABOR CODES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION AND PROTECTION OF ALL UNDERGROUND PIPES, CONDUITS AND OTHER IMPROVEMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY:

A. UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 TO LOCATE EXACT POSITION OF UNDERGROUND TELEPHONE CABLE, GAS LINES, SEWER LINES AND WATER LINES.

B. TURLOCK IRRIGATION DISTRICT AT (209) 883-8464 TO LOCATE UNDERGROUND ELECTRICAL CONDUIT.

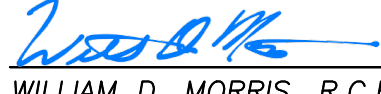
C. CHARTER CABLE AT (209) 656-2124 TO LOCATE UNDERGROUND CABLE T.V.

D. FIRE DEPARTMENT AT (209) 668-5580, POLICE DEPT. AT (209) 668-5550 AND AMBULANCE AT (209) 632-2271.
8. ANY UTILITY TO BE RELOCATED OR REMOVED SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
9. CITY CREWS WILL REPLACE PAVEMENT MARKINGS AND MARKERS.
10. ONE LANE SHALL REMAIN OPEN AT ALL TIMES. CONTRACTOR SHALL PROVIDE FLAGGERS DURING WORKING HOURS.
11. ALL TRENCHES SHALL BE BACKFILLED AND PAVED WITH TEMPORARY AC AT THE END OF THE WORK DAY.



NOTE:  
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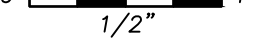
REVIEWED BY:  
  
STEPHEN R. FREMMING, P.E.  
PRINCIPAL CIVIL ENGINEER  
  
9/5/2025  
  
DATE

APPROVED BY:  
  
WILLIAM D. MORRIS, R.C.E. 55910  
CITY ENGINEER  
  
09/02/2025  
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CITY OF TURLOCK  
MUNICIPAL SERVICES DEPARTMENT  
ENGINEERING DIVISION  
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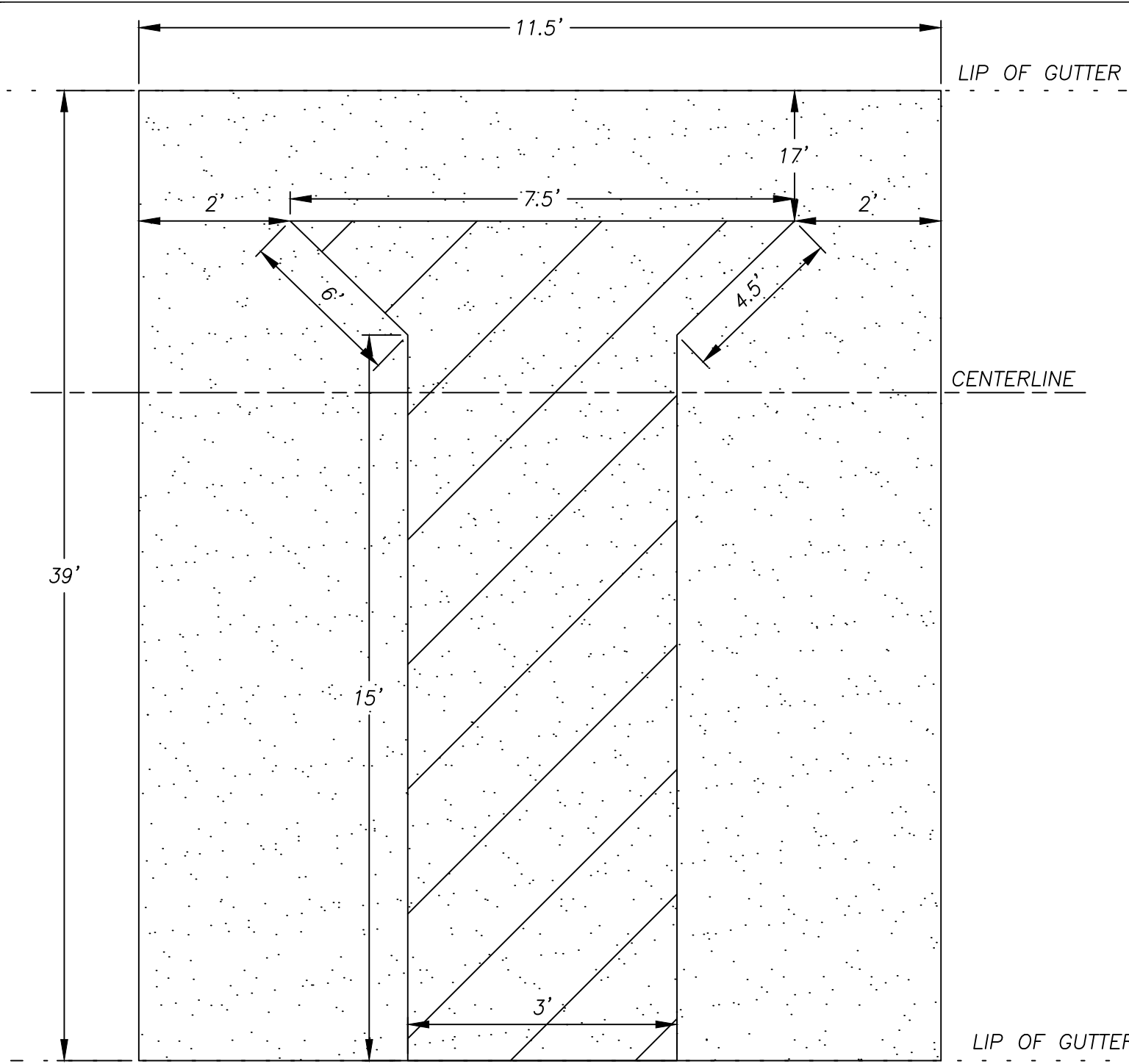
LOCATION PLAN & GENERAL NOTES  
  
CAPITAL PROJECT NO. 25-041  
CITY UTILITY TRENCH REPAIR – 2025

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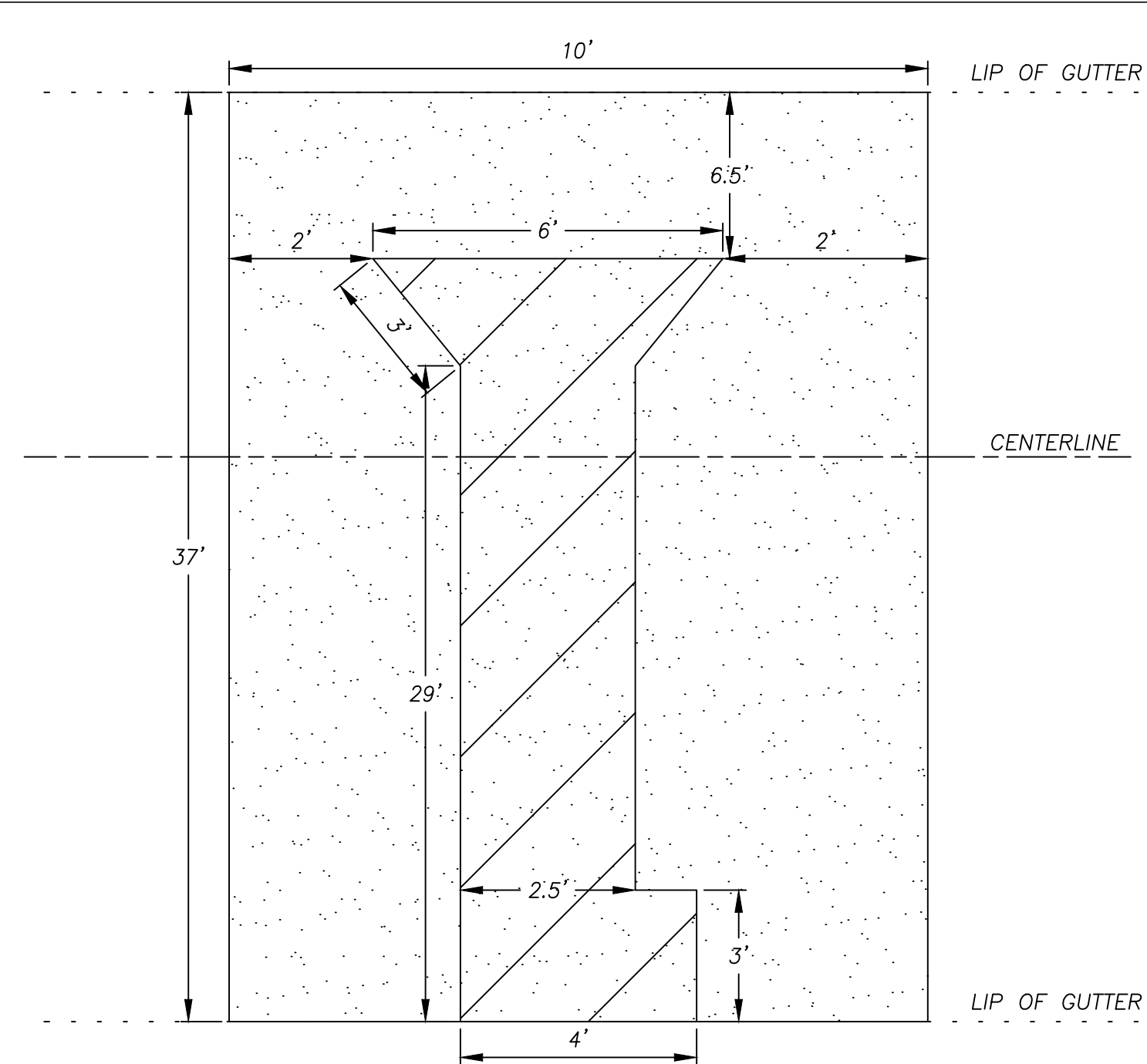
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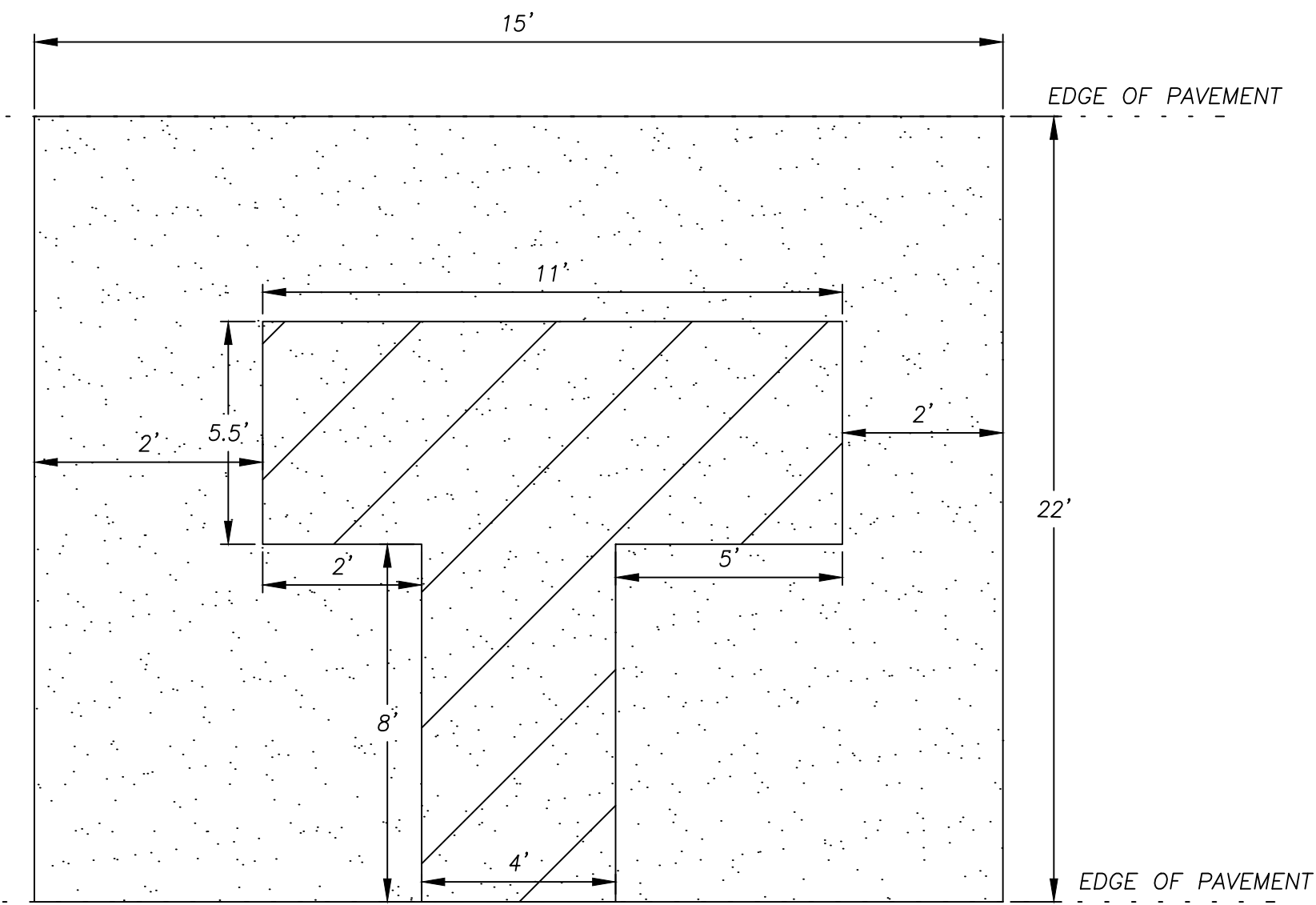
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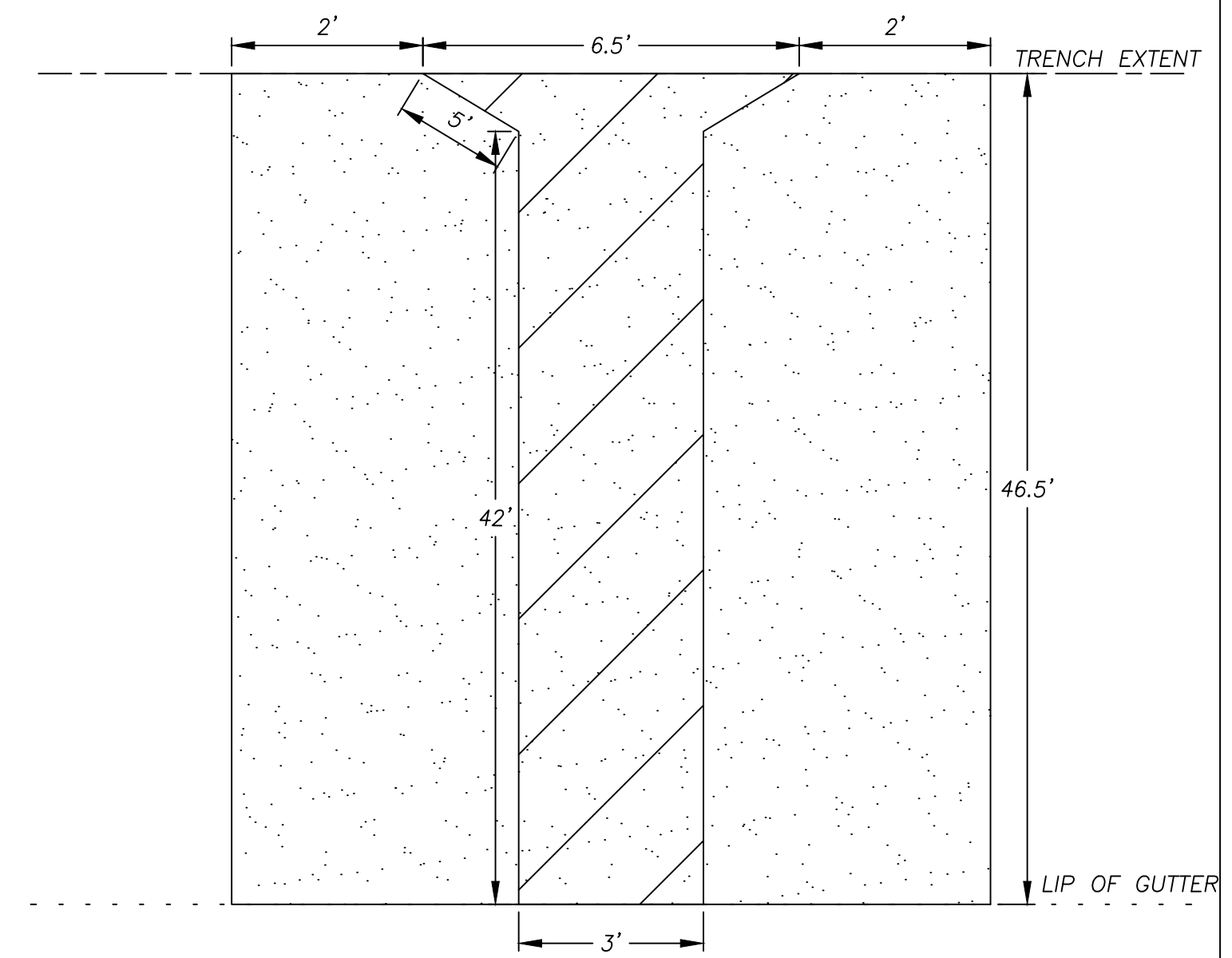
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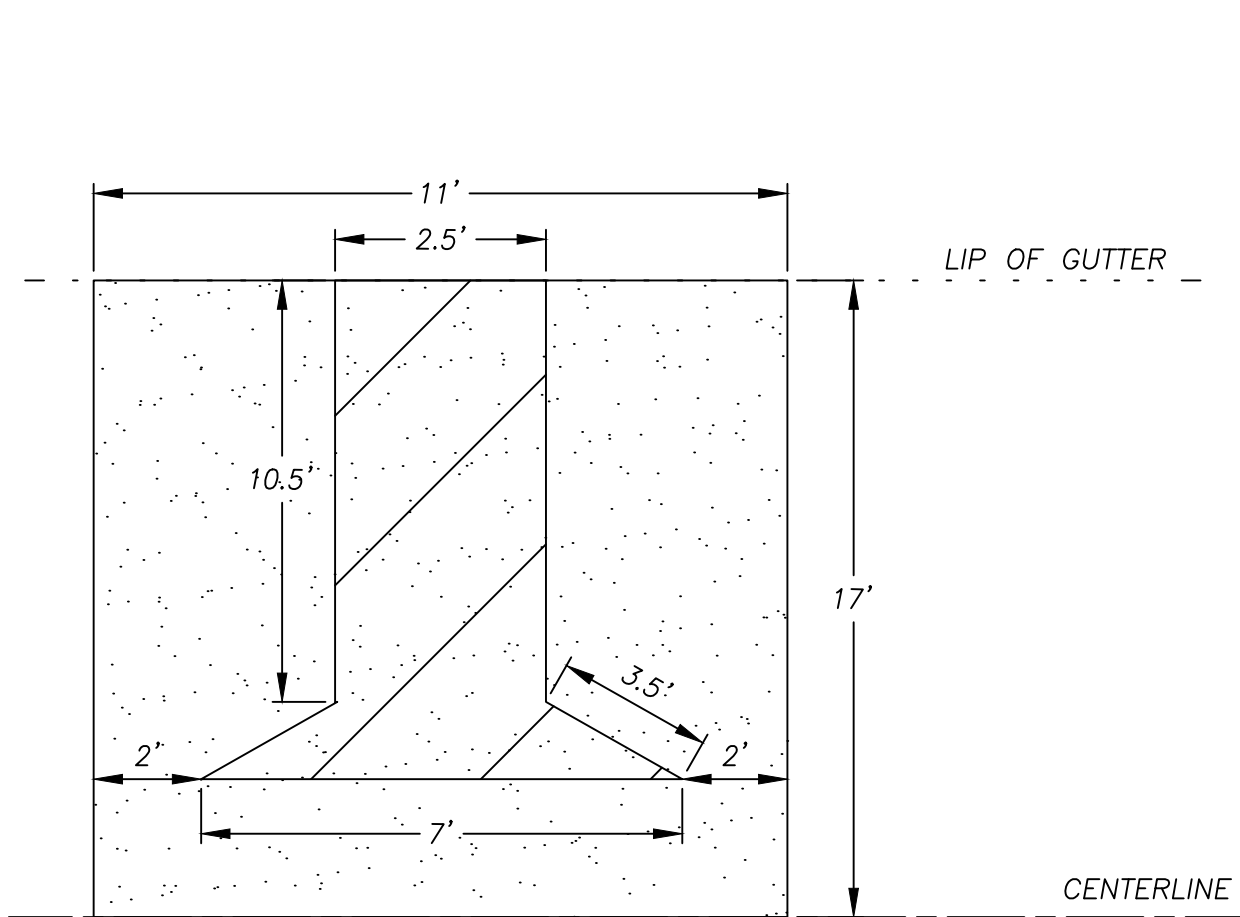
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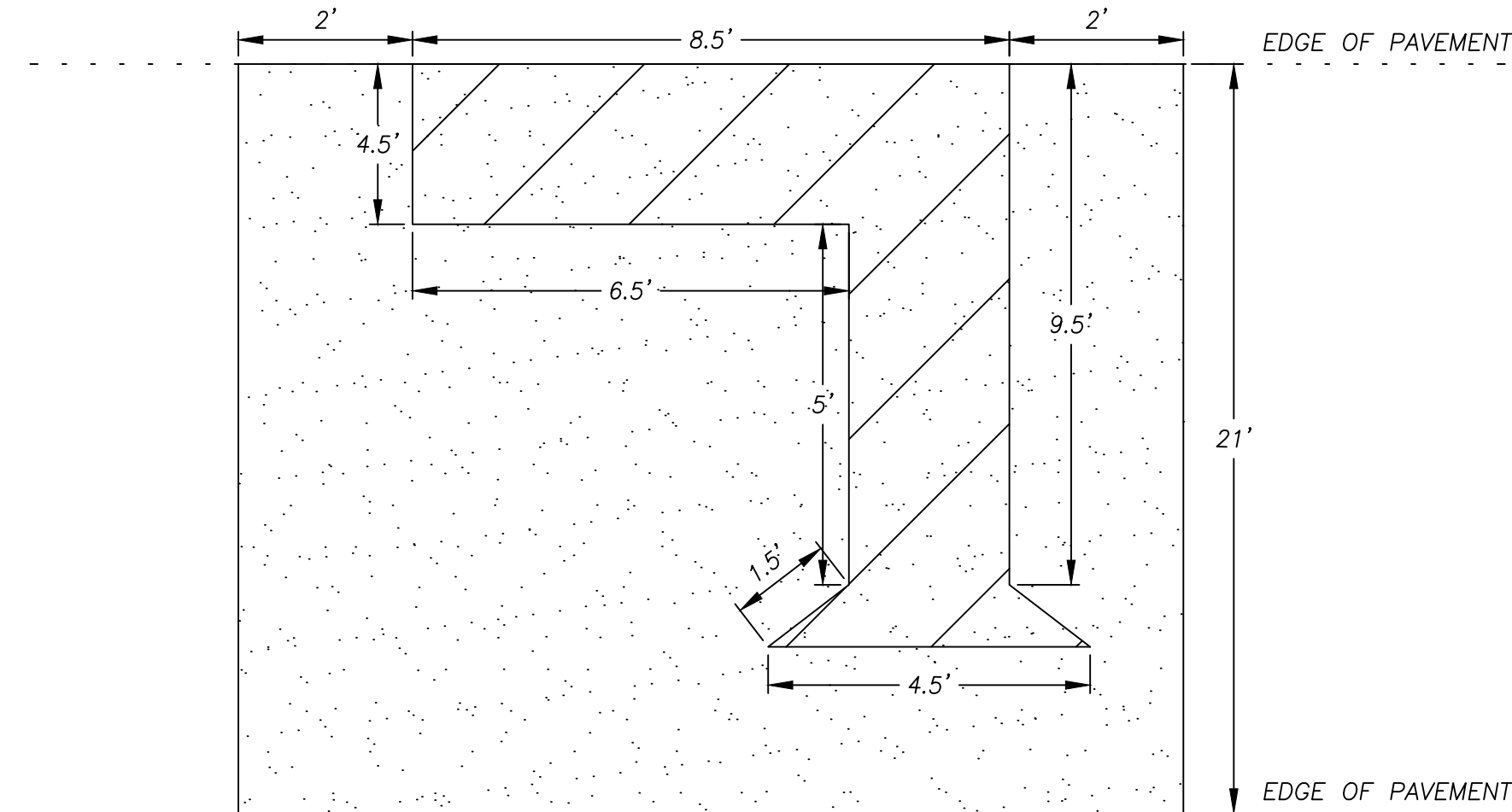
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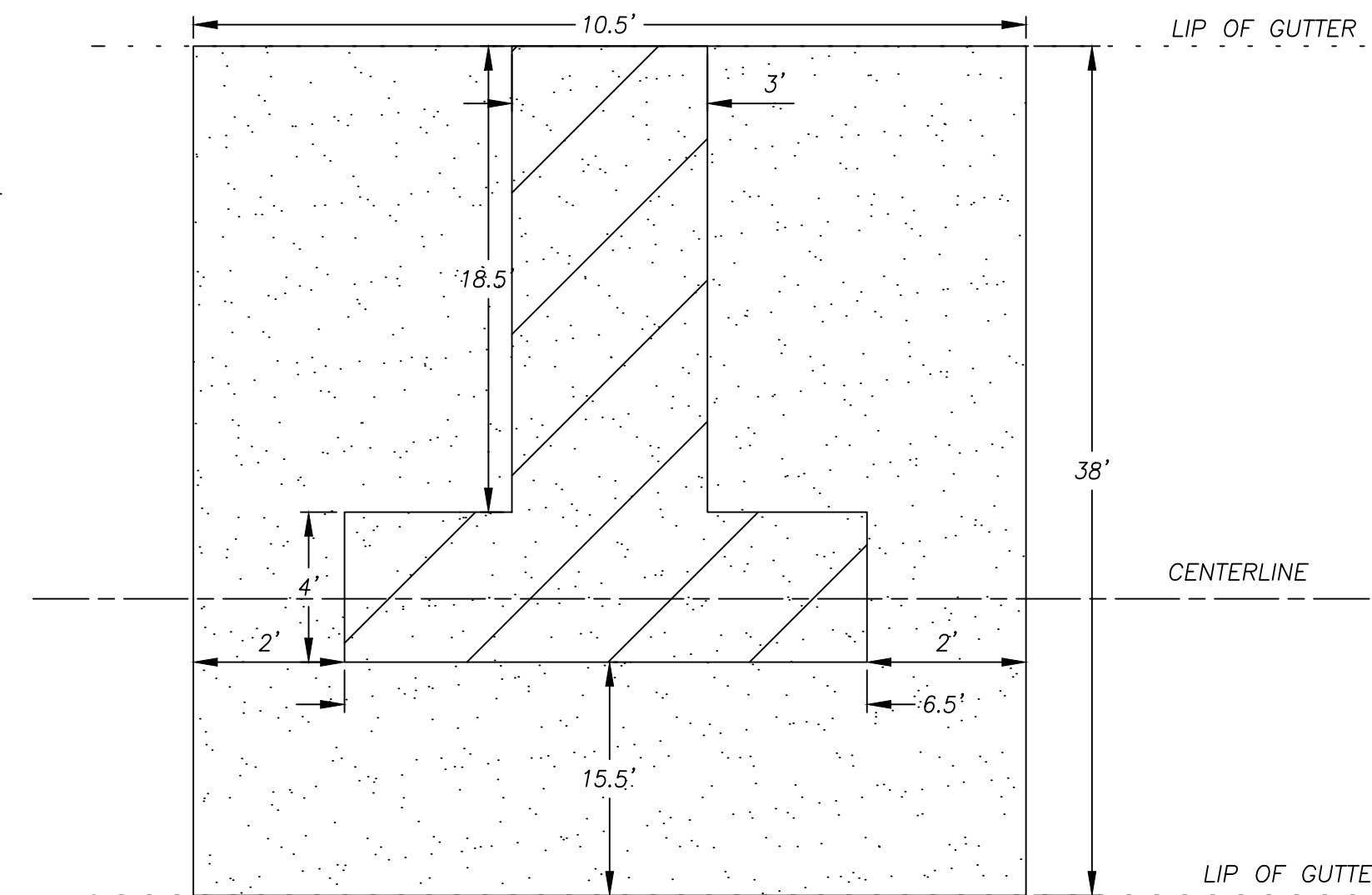
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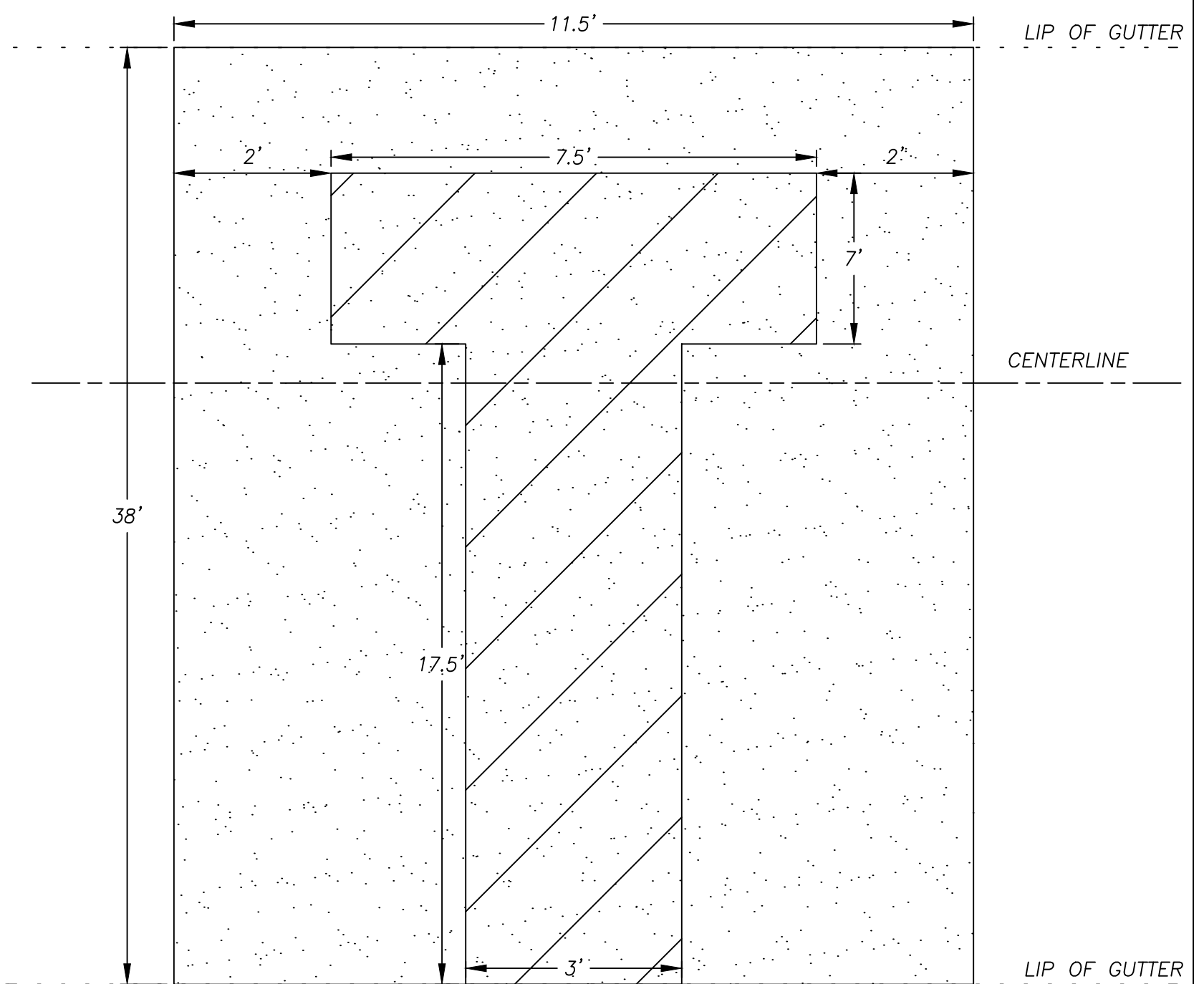
TRENCH #9 DIMENSIONS

NOT TO SCALE



TRENCH #10 DIMENSIONS

NOT TO SCALE



TRENCH #11 DIMENSIONS

NOT TO SCALE



LEGEND

GRIND AND PLACE HMA OVERLAY

TRENCH AREA



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REVIEWED BY:  
STEPHEN R. FREMMING, P.E.  
PRINCIPAL CIVIL ENGINEER  
9/5/2025  
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APPROVED BY:  
WILLIAM D. MORRIS, R.C.E. 55910  
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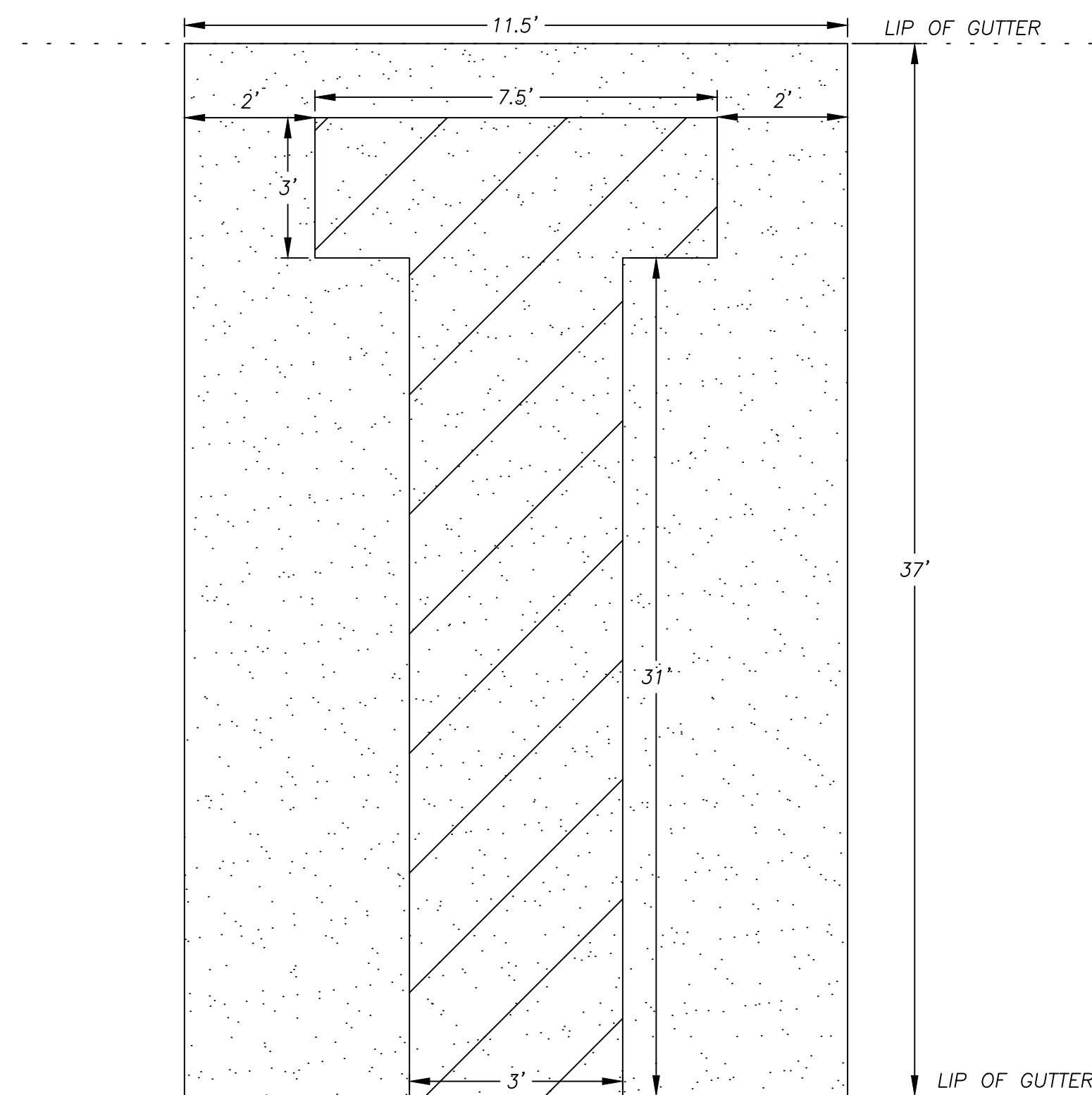
CITY OF TURLOCK  
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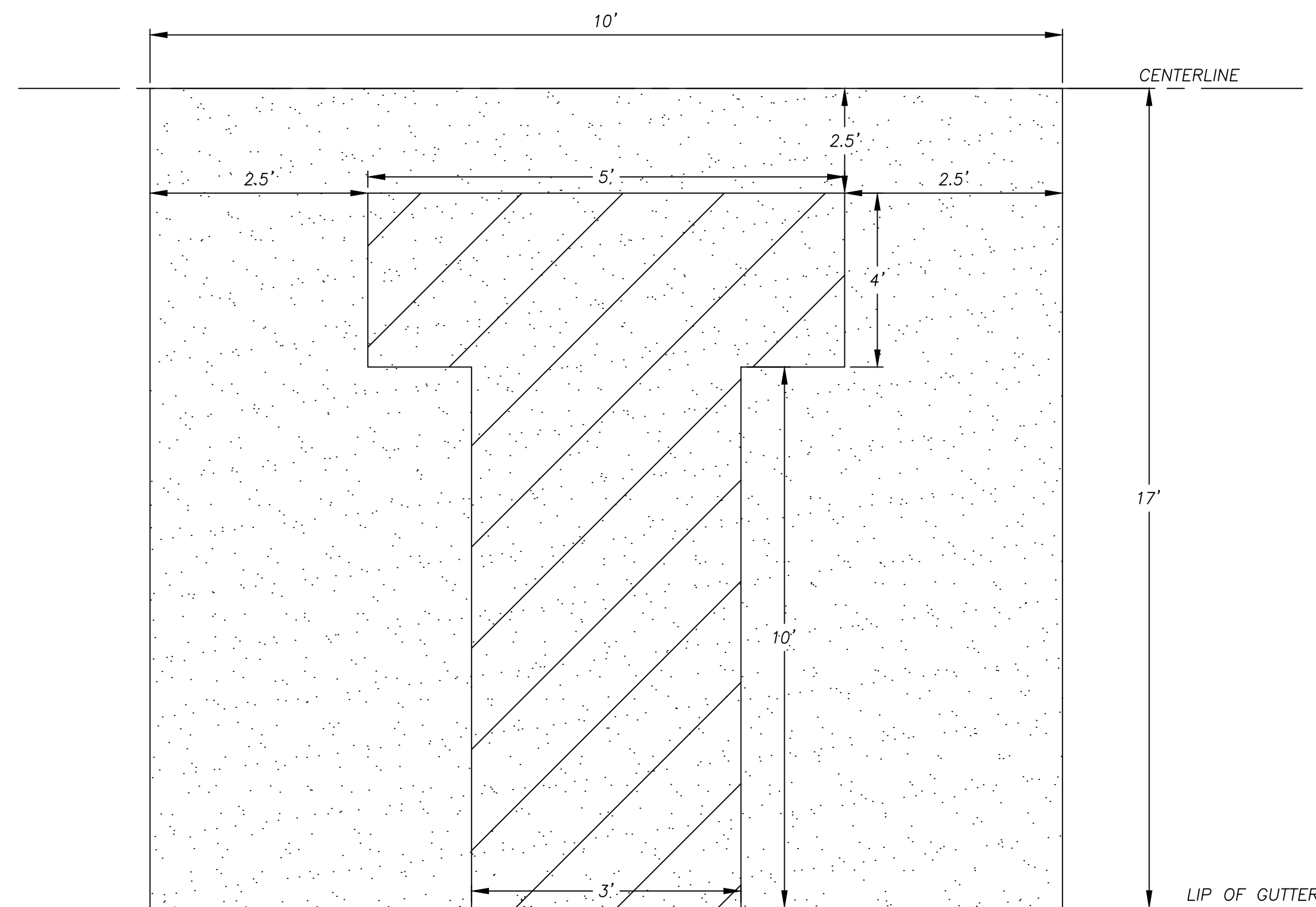
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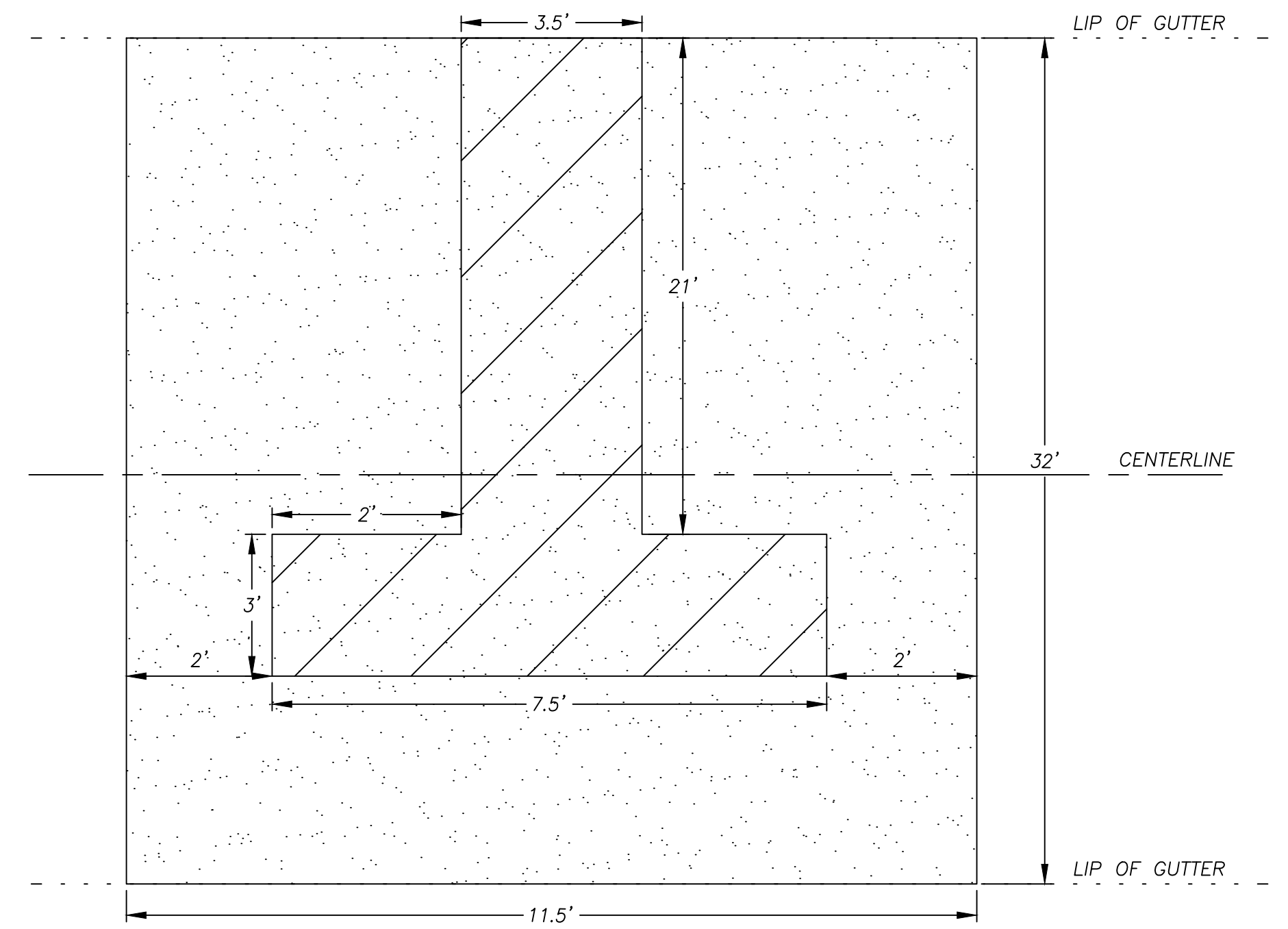
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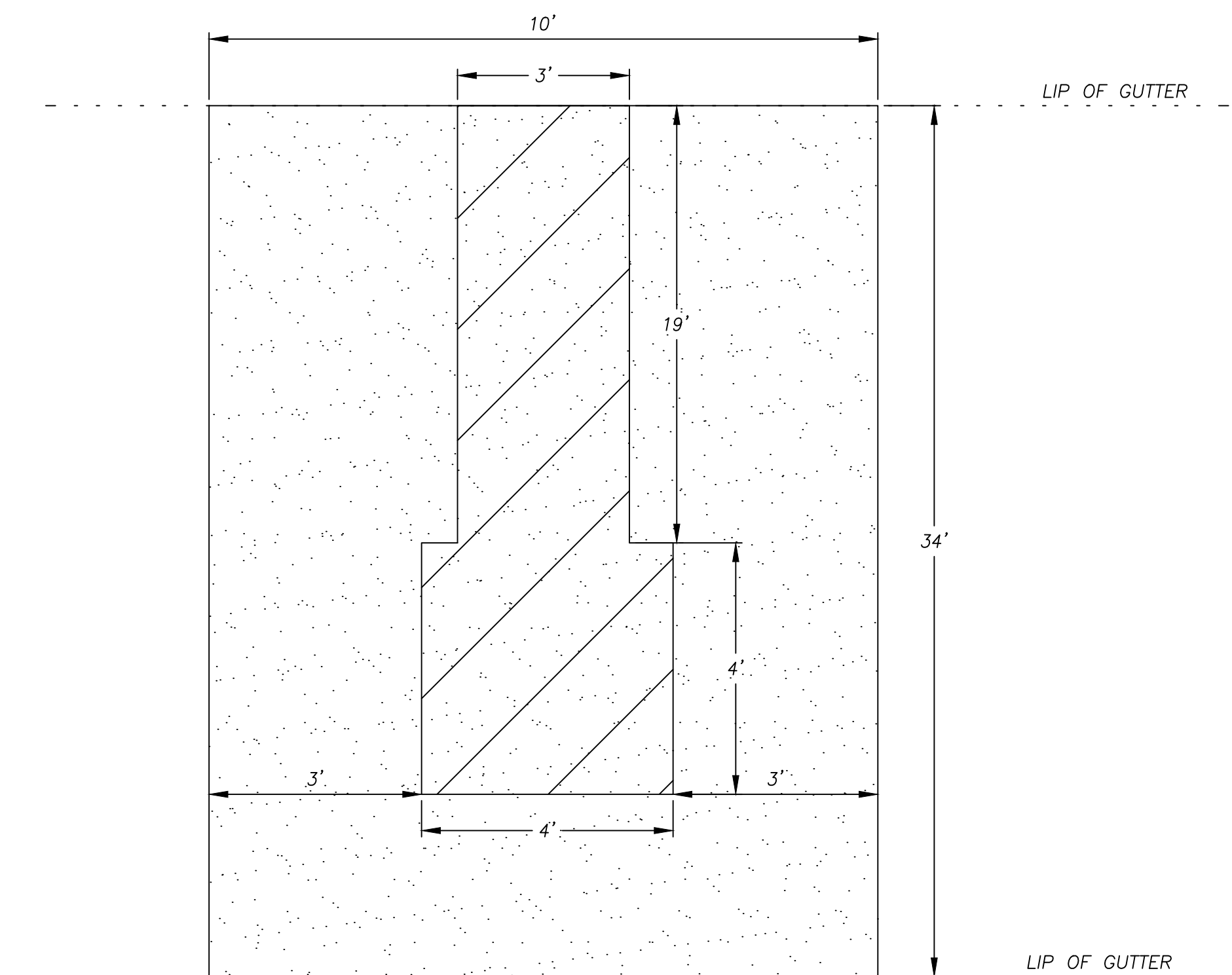
TRENCH #13 DIMENSIONS

NOT TO SCALE



TRENCH #14 DIMENSIONS

NOT TO SCALE




TRENCH #15 DIMENSIONS

NOT TO SCALE



LEGEND

 GRIND AND PLACE HMA OVERLAY

 TRENCH AREA

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PRINCIPAL CIVIL ENGINEER

9/5/2025

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CITY ENGINEER

09/02/2025

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MUNICIPAL SERVICES DEPARTMENT  
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(209) 668-5520

TRENCHES WITH IRREGULAR DIMENSIONS

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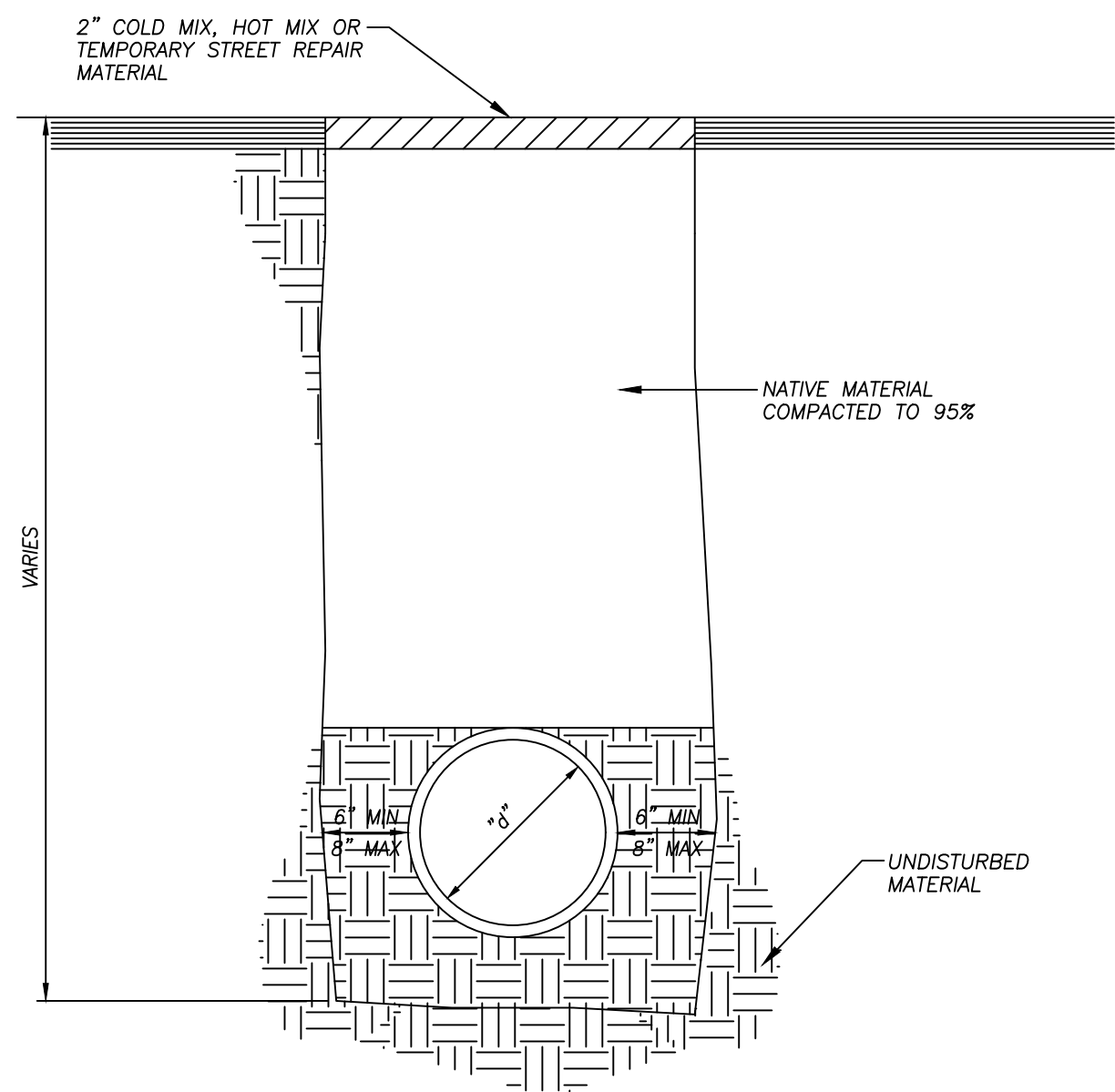
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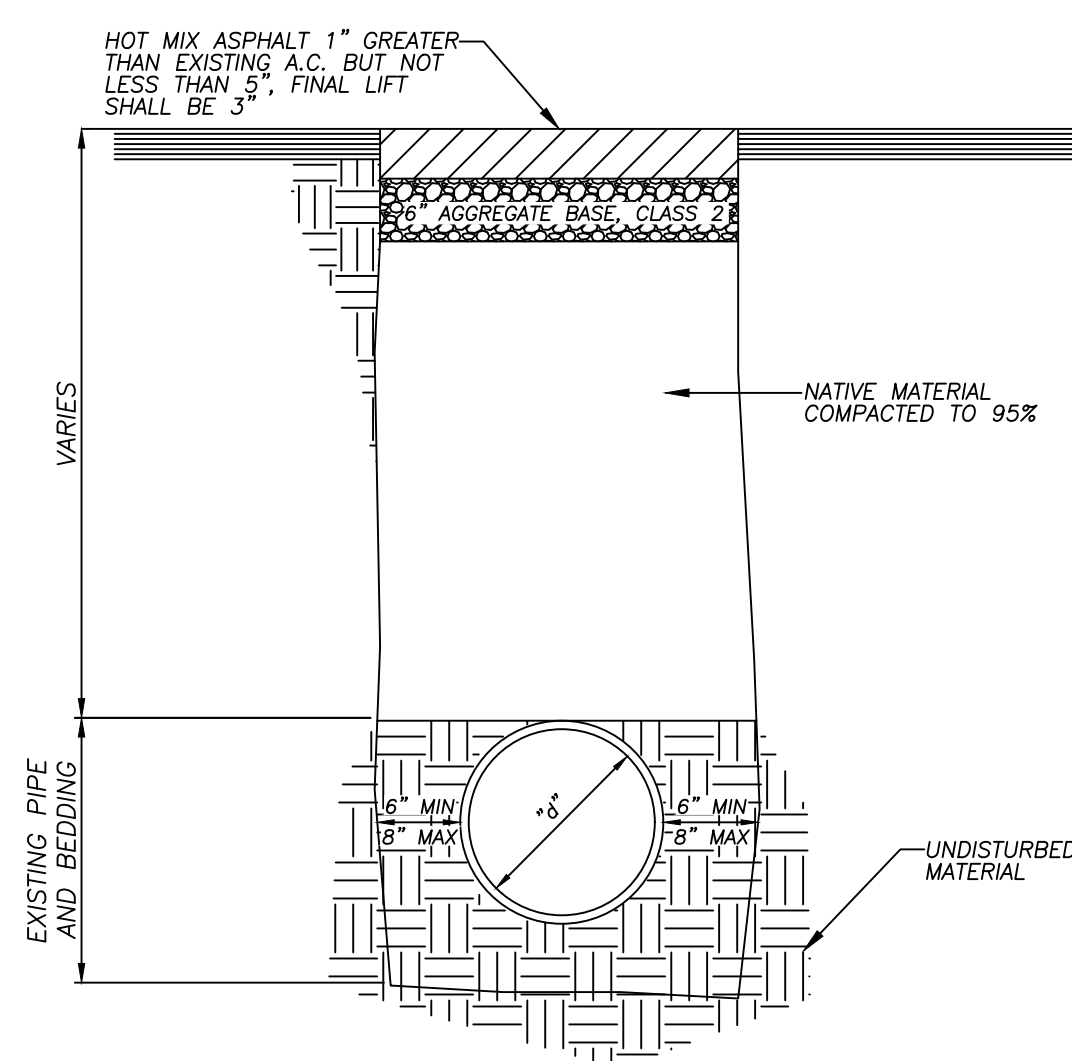




- NOTES:
1. COMPACTION TESTS SHALL BE APPROVED BY THE CITY BEFORE PAVING.
  2. TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE SHORED.
  3. MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 12" BEFORE COMPACTION.
  4. TRENCHES WHICH ARE LESS THAN 30" IN DEPTH OR LESS THAN 18" IN WIDTH SHALL BE BACKFILLED WITH TWO SACK CEMENT SLURRY.
  5. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.

### 3 STEP TRENCH REPAIR – STEP 1 (MODIFIED CITY STANDARD DETAIL T-1)

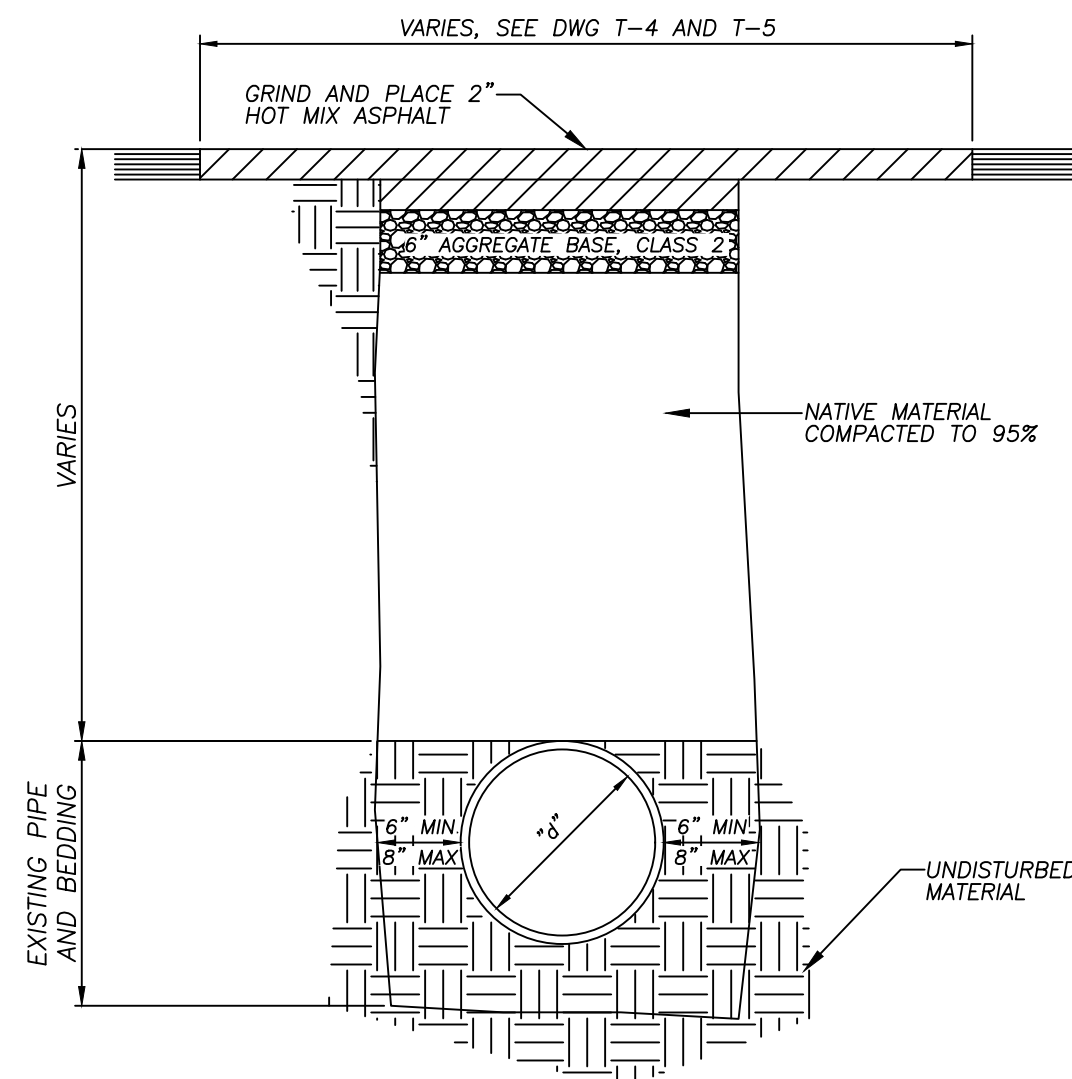
NOT TO SCALE



- NOTES:
1. DWG NO. T-1 MAY BE OMITTED IF DWG NO. T-2 IS PERFORMED ON THE SAME DAY AS THE TRENCH EXCAVATION.
  2. COMPACTION TESTS SHALL BE APPROVED BY THE CITY BEFORE PAVING.
  3. TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE SHORED.
  4. MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 12" BEFORE COMPACTION.
  5. TRENCHES WHICH ARE LESS THAN 30" IN DEPTH OR LESS THAN 18" IN WIDTH SHALL BE BACKFILLED WITH TWO SACK CEMENT SLURRY.
  6. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.
  7. HMA SHALL BE PG 64-10, TYPE A

### 3 STEP TRENCH REPAIR – STEP 2 (MODIFIED CITY STANDARD DETAIL T-2)

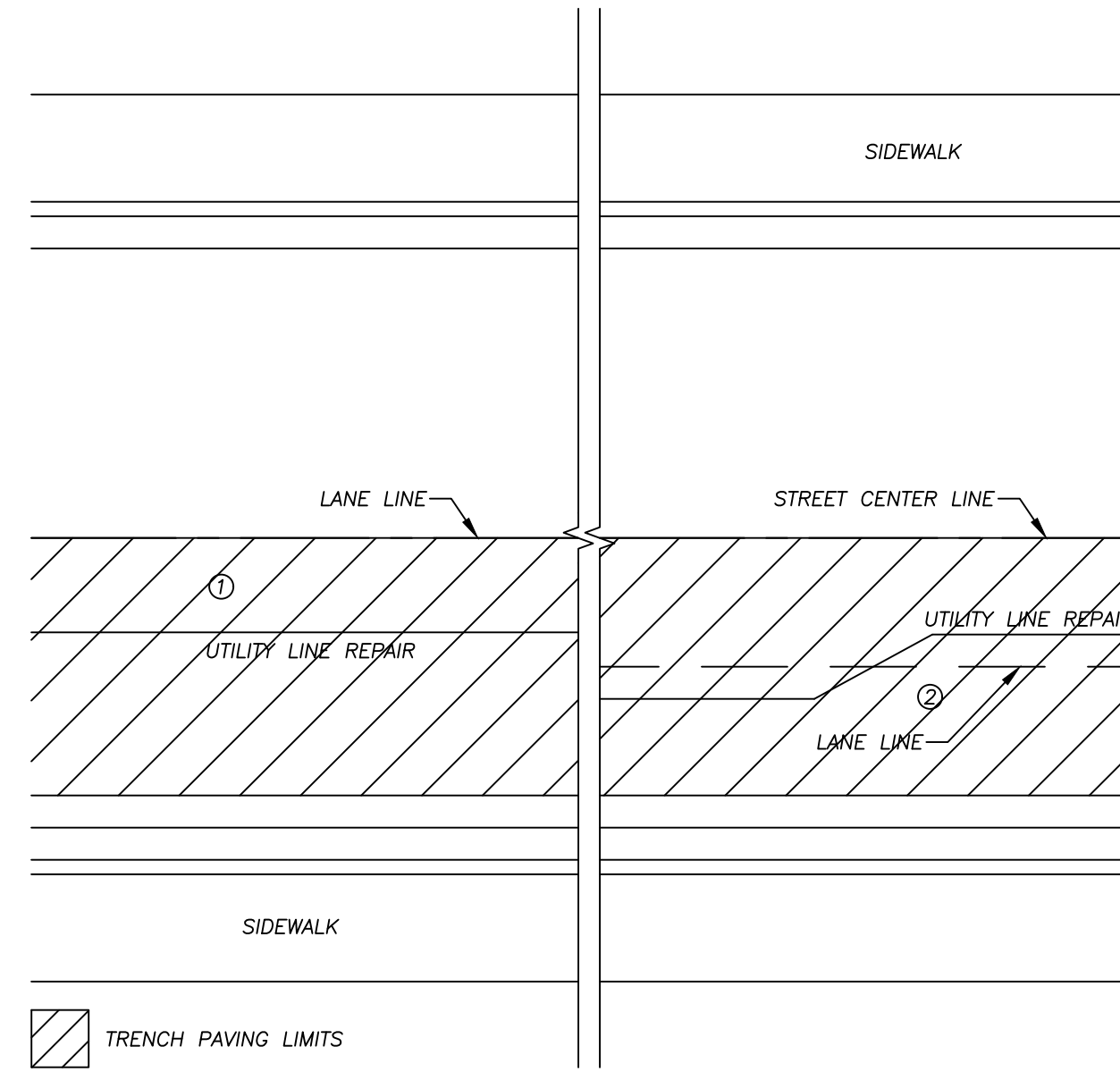
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  5. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.

### 3 STEP TRENCH REPAIR – STEP 3 (MODIFIED CITY STANDARD DETAIL T-3)

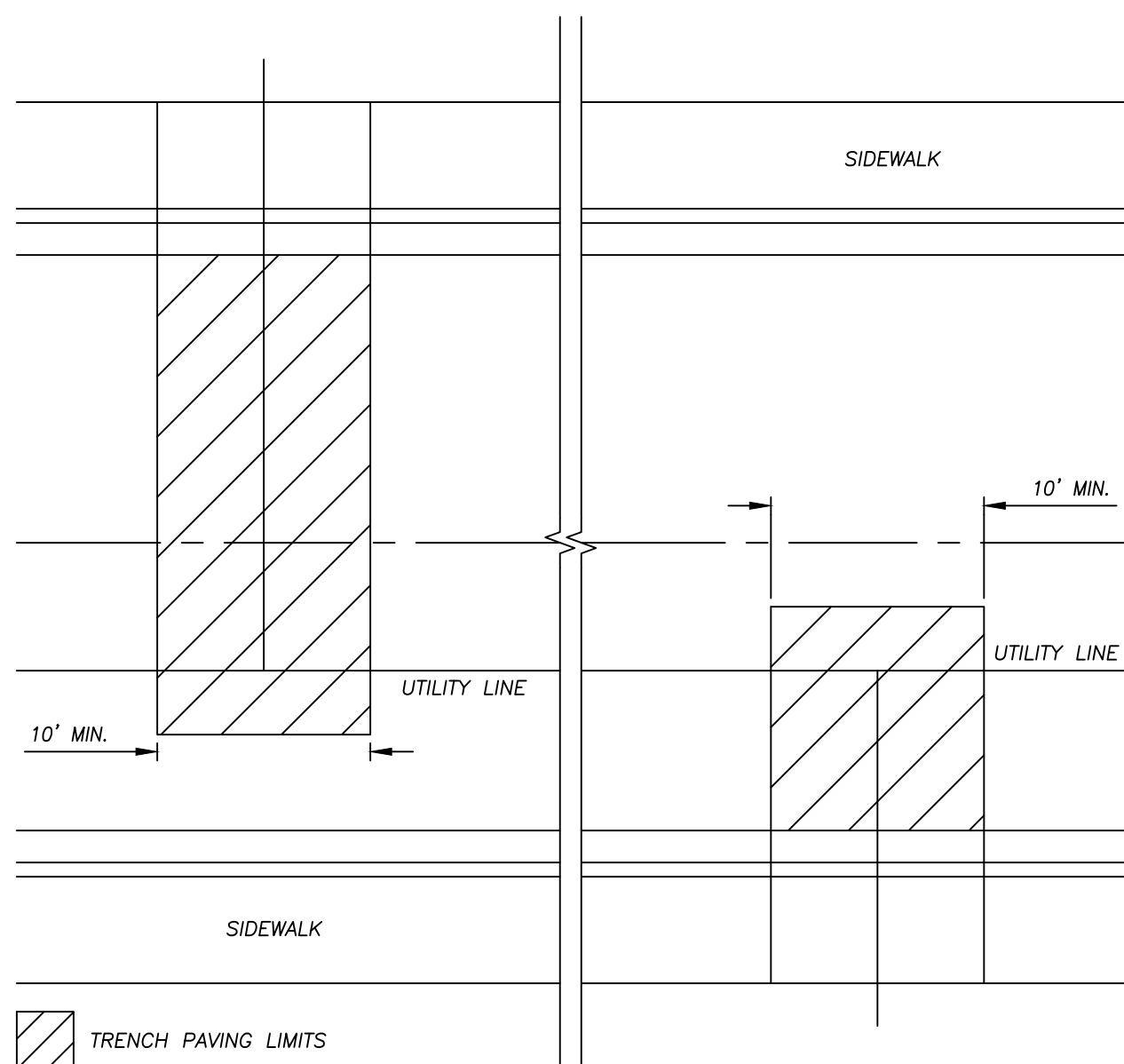
NOT TO SCALE



- NOTES:
1. GRINDING AND FINAL PAVING WIDTH SHALL BE TO THE EXTENT OF AFFECTED LANE LINES, 12" MIN.
  2. IF TRENCH CROSSES LANE LINES, GRINDING AND FINAL PAVING WIDTH SHALL BE TO THE EXTENT OF ALL AFFECTED LANE LINES FOR ENTIRE LENGTH OF TRENCH

#### LONGITUDINAL TRENCH PATCH LIMITS

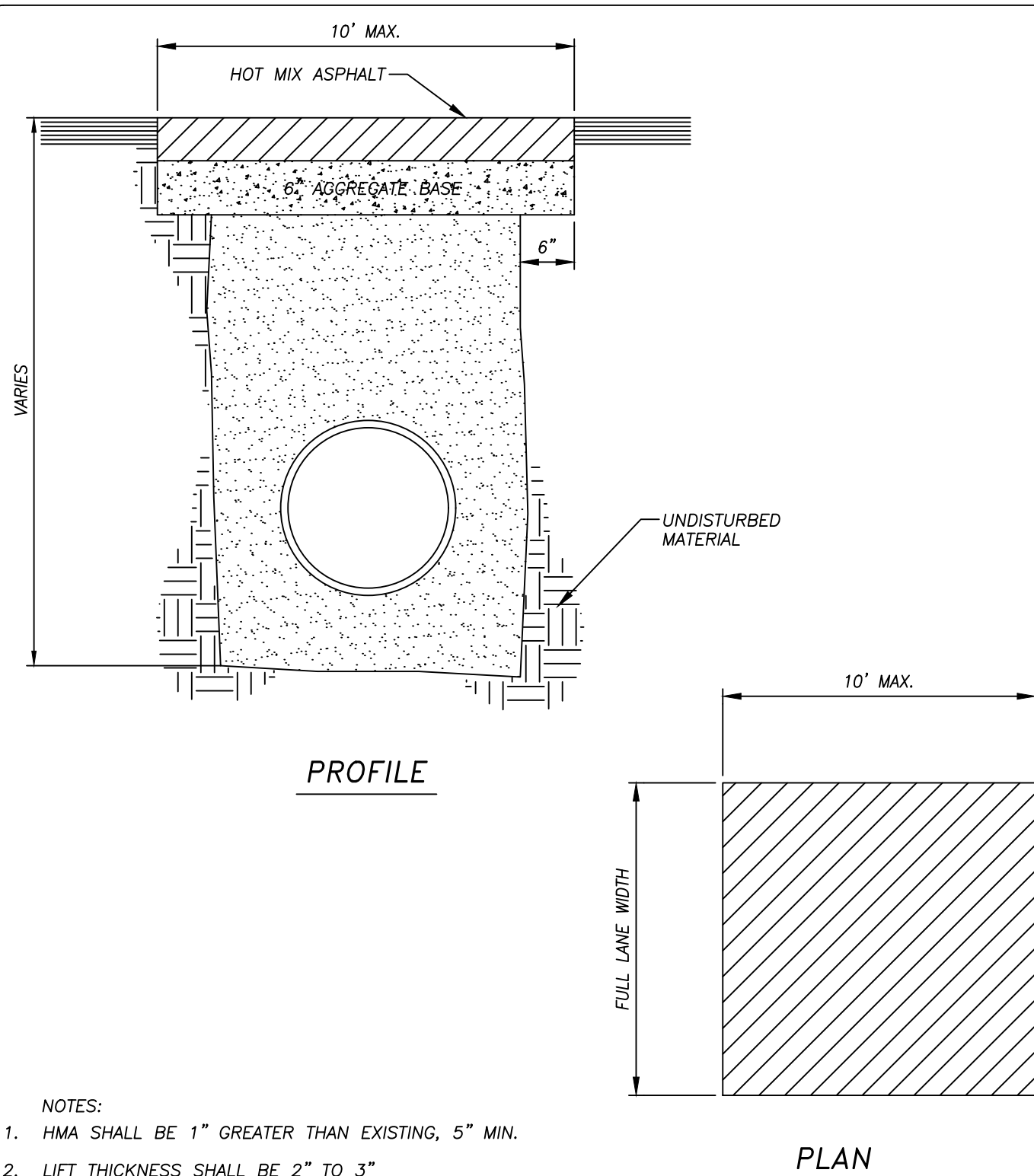
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	CHECK BY: NBB		COUNCIL APPROVAL
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- NOTES:
1. GRINDING AND PAVING WIDTH SHALL BE 10' MIN.
  2. ALL CUTS SHALL BE SQUARE AND PERPENDICULAR TO THE TRAVEL LANE

#### PERPENDICULAR TRENCH PATCH LIMITS

	DRAWN BY: JSH	CITY OF TURLOCK APPROVED BY:	DRAWING NO. T-5
	CHECK BY: NBB		COUNCIL APPROVAL
	SCALE: NONE		FEB, 2019



- NOTES:
1. HMA SHALL BE 1" GREATER THAN EXISTING, 5" MIN.
  2. LIFT THICKNESS SHALL BE 2" TO 3"
  3. HMA SHALL BE PG 64-10, TYPE A
  4. FINAL LIFT SHALL BE COMPACTED WITH A VIBRATORY ROLLER

#### BELL HOLE PATCH

	DRAWN BY: JSH	CITY OF TURLOCK APPROVED BY:	DRAWING NO. T-6
	CHECK BY: NBB		COUNCIL APPROVAL
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