

I want to...

PINEWOOD LAKES PHASES

TO A SITE OF STAR AND 110 62

N Center St

All Available Land

W State St

S Selwood Ln

PINEWOOD LAKES VILLAGE

W Evelyn Pines Ln

S Pine Lake Ln

PINEWOOD LAKES WEST COMMERCIAL

W Bridger Bay Dr

S Selwood Way

PINEWOOD LAKES PHASE 01

W Carlisle Bay St

PINEWOOD LAKES PHASE 02

S Langer Lake Way

S Highbrook Way

S Spring Lake Way

S Eernan Lake Way

W Carlisle Bay Dr

S Long Bay Way

PINEWOOD LAKES PHASE 03

W Barclay Bay St

PINEWOOD LAKES PHASE 04

W Caribee Inlet Dr

S Highbrook Ln

PINEWOOD LAKES PHASE 05

S Selwood Ln

PINEWOOD LAKES PHASE 06

W Seven Lakes Ln

PINEWOOD LAKES PHASE 07

S Winslow Bay Way

PINEWOOD LAKES PHASE 08

W Pinewood River Ln

W Caribee Inlet Dr

S Jakes Landing Way

S Discovery Bay Ave

THIGUES

MORNINGSTAR MOBILE HOMES

S Sunlight Ave

TEMPE PARK

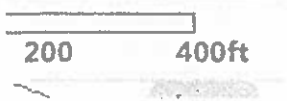
W Tempe Ln

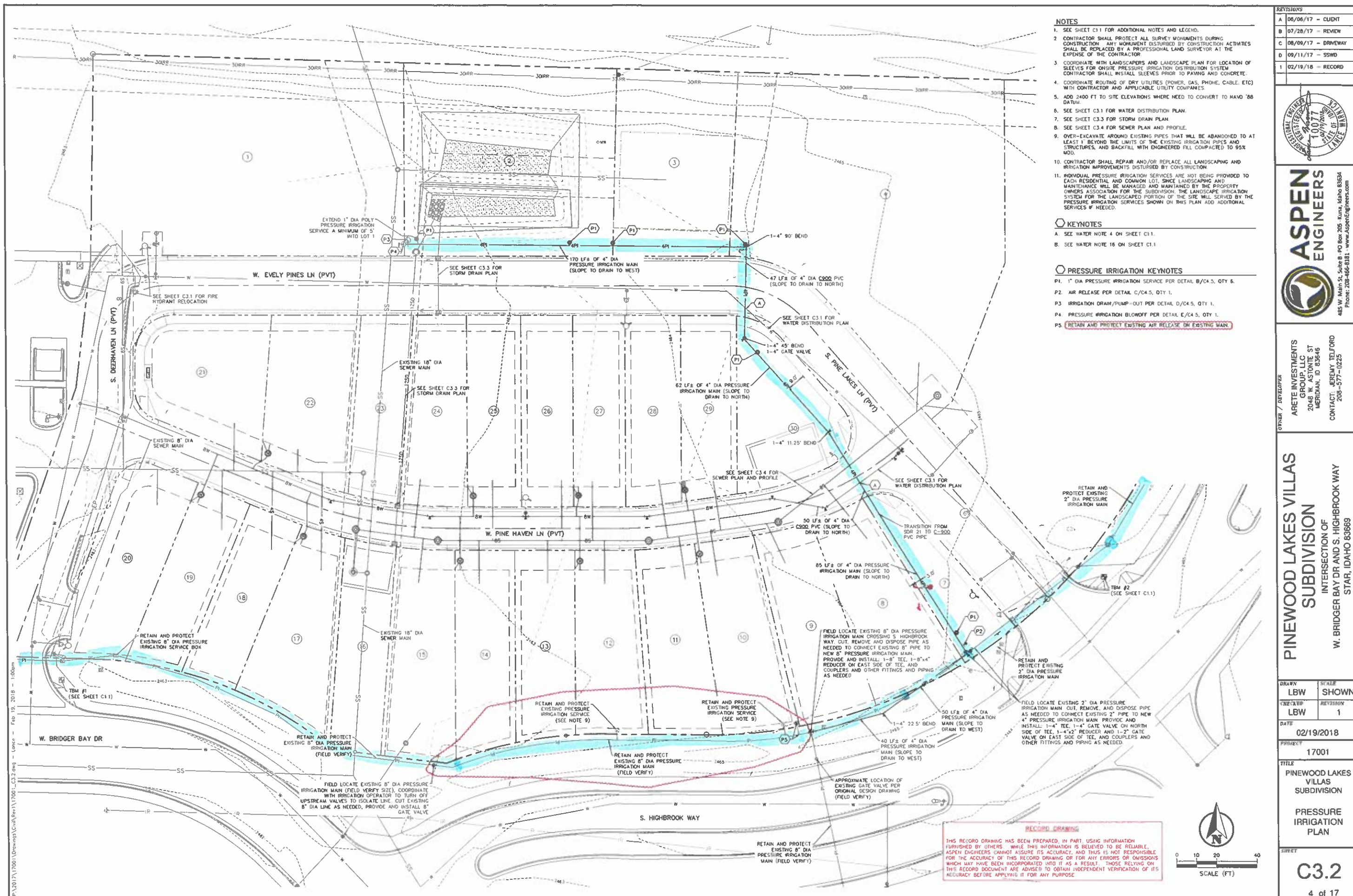
S Artes Ave

W Andromeda St

W Heron St

CELESTIAL VILLAGE PHASE 01

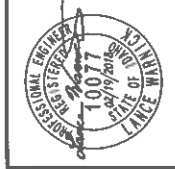




- NOTES**
- SEE SHEET C11 FOR ADDITIONAL NOTES AND LEGEND.
 - CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS DURING CONSTRUCTION. ANY MONUMENT DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
 - COORDINATE WITH LANDSCAPERS AND LANDSCAPE PLAN FOR LOCATION OF SLEEVES FOR ON-SITE PRESSURE IRRIGATION DISTRIBUTION SYSTEM. CONTRACTOR SHALL INSTALL SLEEVES PRIOR TO PAVING AND CONCRETE.
 - COORDINATE ROUTING OF DRY UTILITIES (POWER, GAS, PHONE, CABLE, ETC.) WITH CONTRACTOR AND APPLICABLE UTILITY COMPANIES.
 - ADD 2400 FT TO SITE ELEVATIONS WHERE NEED TO CONVERT TO NAVD 88 DATUM.
 - SEE SHEET C3.1 FOR WATER DISTRIBUTION PLAN.
 - SEE SHEET C3.3 FOR STORM DRAIN PLAN.
 - SEE SHEET C3.4 FOR SEWER PLAN AND PROFILE.
 - OVER-EXCAVATE AROUND EXISTING PIPES THAT WILL BE ABANDONED TO AT LEAST 1' BEYOND THE LIMITS OF THE EXISTING IRRIGATION PIPES AND STRUCTURES, AND BACKFILL WITH ENGINEERED FILL COMPACTED TO 95% MOD.
 - CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL LANDSCAPING AND IRRIGATION IMPROVEMENTS DISTURBED BY CONSTRUCTION.
 - INDIVIDUAL PRESSURE IRRIGATION SERVICES ARE NOT BEING PROVIDED TO EACH RESIDENTIAL AND COMMON LOT, SINCE LANDSCAPING AND MAINTENANCE WILL BE MANAGED AND MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION FOR THE SUBDIVISION. THE LANDSCAPE IRRIGATION SYSTEM FOR THE LANDSCAPED PORTION OF THE SITE WILL BE SERVED BY THE PRESSURE IRRIGATION SERVICES SHOWN ON THIS PLAN AND ADDITIONAL SERVICES IF NEEDED.

- KEYNOTES**
- A. SEE WATER NOTE 4 ON SHEET C11.
B. SEE WATER NOTE 16 ON SHEET C11.
- PRESSURE IRRIGATION KEYNOTES**
- P1. 1" DIA PRESSURE IRRIGATION SERVICE PER DETAIL B/C4.5, QTY 6.
P2. AIR RELEASE PER DETAIL C/C4.5, QTY 1.
P3. IRRIGATION DRAIN/PUMP-OUT PER DETAIL D/C4.5, QTY 1.
P4. PRESSURE IRRIGATION BLOWOFF PER DETAIL E/C4.5, QTY 1.
P5. **RETAIN AND PROTECT EXISTING AIR RELEASE ON EXISTING MAIN.**

REVISIONS	
A	06/06/17 - CLIENT
B	07/26/17 - REVIEW
C	08/09/17 - DRIVEWAY
D	09/11/17 - SSWD
E	02/19/18 - RECORD



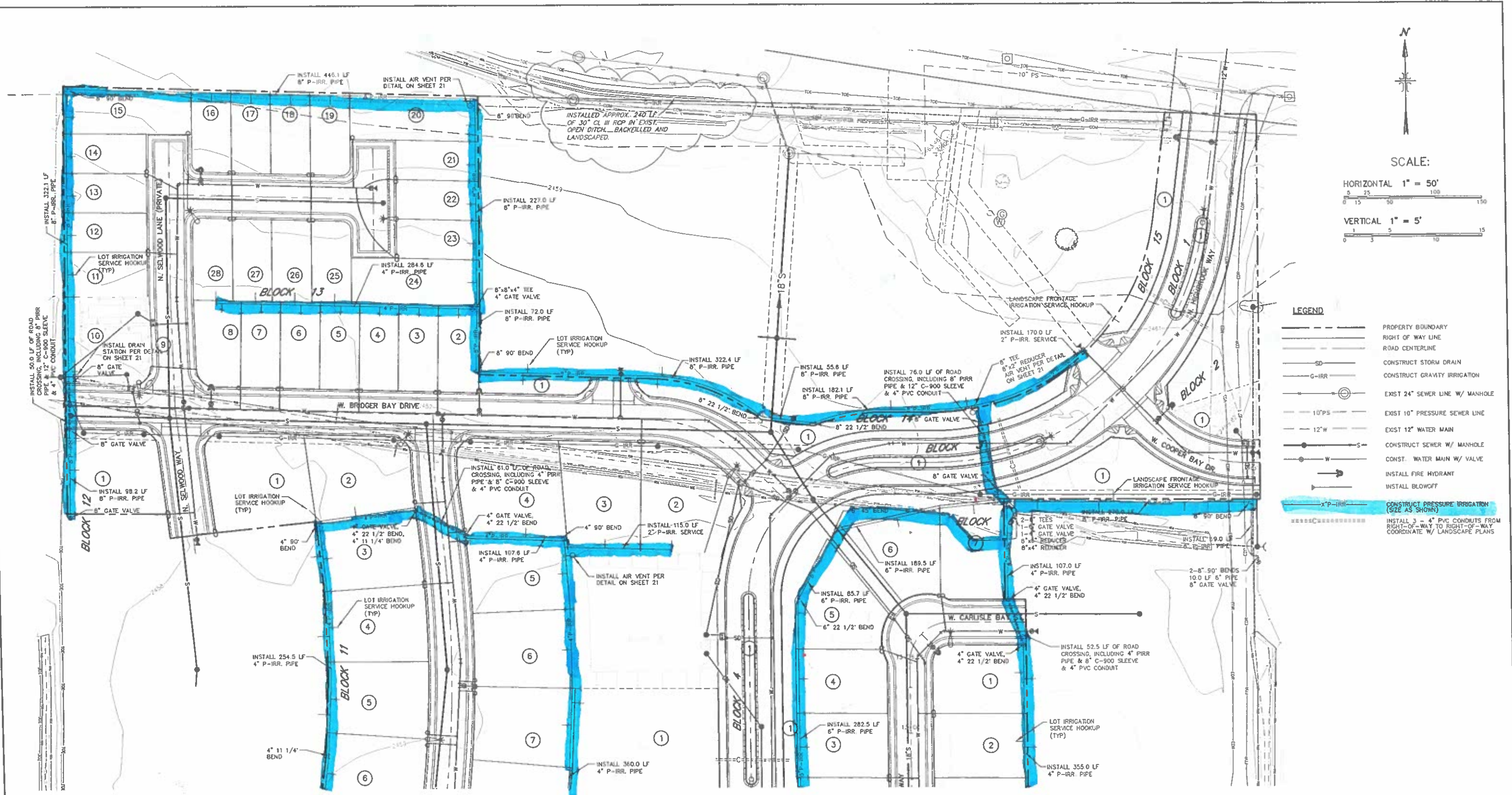
ASPEN ENGINEERS

ARETE INVESTMENTS GROUP LLC
2048 W. ASTONITE ST
MERIDIAN, ID 83646
CONTACT: JEREMY TELFORD
208-577-0225

PINEWOOD LAKES VILLAS SUBDIVISION

INTERSECTION OF W. BRIDGER BAY DR AND S. HIGHBROOK WAY
STAR, IDAHO 83669

DRAWN	LBW	SCALE	SHOWN
CHECKED	LBW	REVISION	1
DATE	02/19/2018		
PROJECT	17001		
TITLE	PINEWOOD LAKES VILLAS SUBDIVISION		
	PRESSURE IRRIGATION PLAN		



SCALE:
HORIZONTAL 1" = 50'
VERTICAL 1" = 5'

- LEGEND**
- PROPERTY BOUNDARY
 - RIGHT OF WAY LINE
 - ROAD CENTERLINE
 - SD — CONSTRUCT STORM DRAIN
 - G-IRR — CONSTRUCT GRAVITY IRRIGATION
 - EXIST 24" SEWER LINE W/ MANHOLE
 - 10" PS — EXIST 10" PRESSURE SEWER LINE
 - 12" W — EXIST 12" WATER MAIN
 - S — CONSTRUCT SEWER W/ MANHOLE
 - W — CONST. WATER MAIN W/ VALVE
 - INSTALL FIRE HYDRANT
 - INSTALL BLOWOFF
 - X-P-IRR — CONSTRUCT PRESSURE IRRIGATION (SIZE AS SHOWN)
 - INSTALL 3 - 4" PVC CONDUITS FROM RIGHT-OF-WAY TO RIGHT-OF-WAY COORDINATE W/ LANDSCAPE PLANS

NOTES TO CONTRACTOR:

- 1) CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL CROSSINGS, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
- 2) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

SEE SHEET 21 FOR CONTINUATION

**RECORD DRAWING
ELECTRONIC COPY**

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NO.	REVISIONS	BY	DATE

MUNGER ENGINEERING, INC.
4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

**PINEWOOD LAKES SUBDIVISION
PHASE 1**

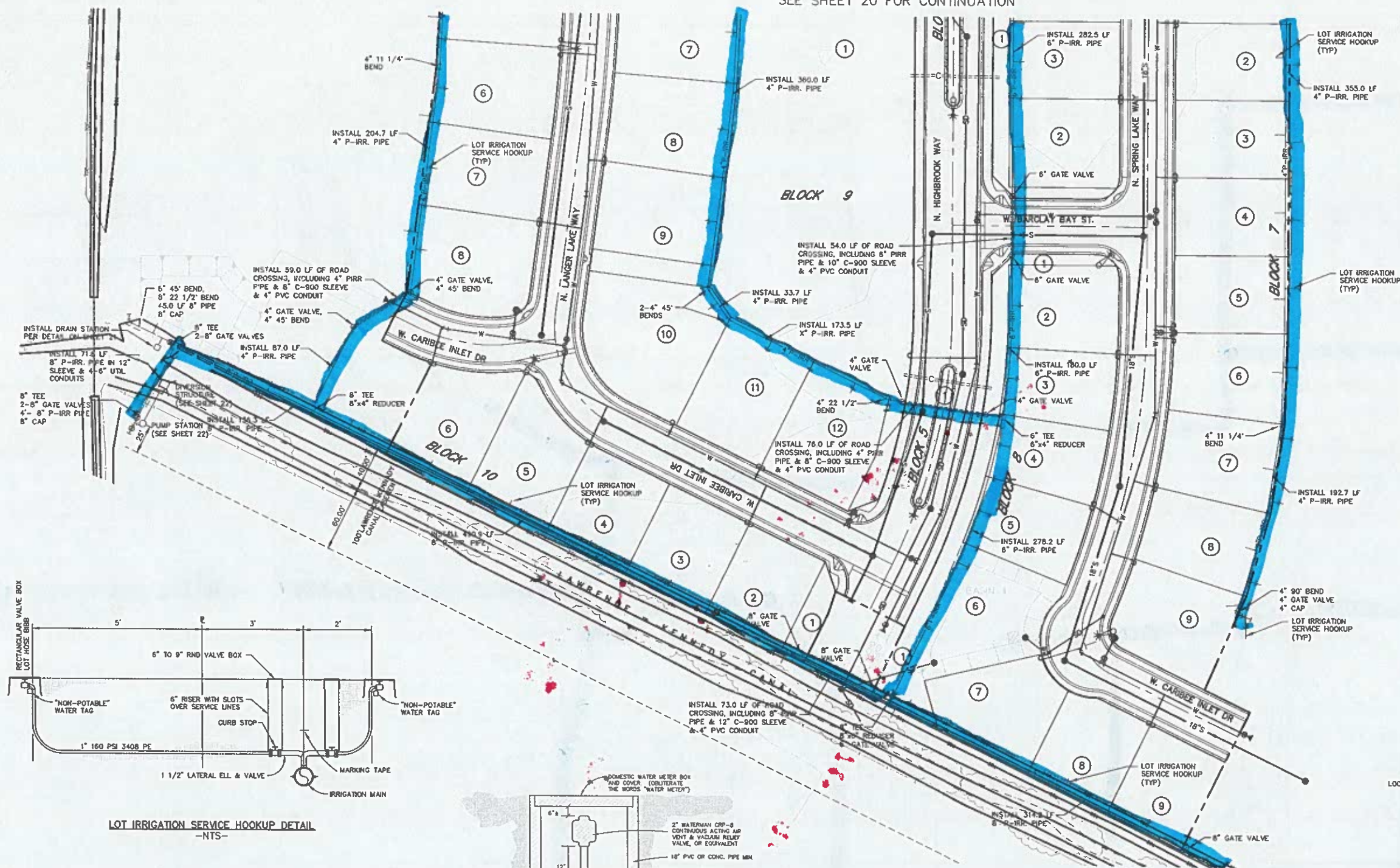
PRESSURE IRRIGATION PLAN	JOB NO. 03-003-00
NORTH HALF	SHEET NO. 20

SEE SHEET 20 FOR CONTINUATION



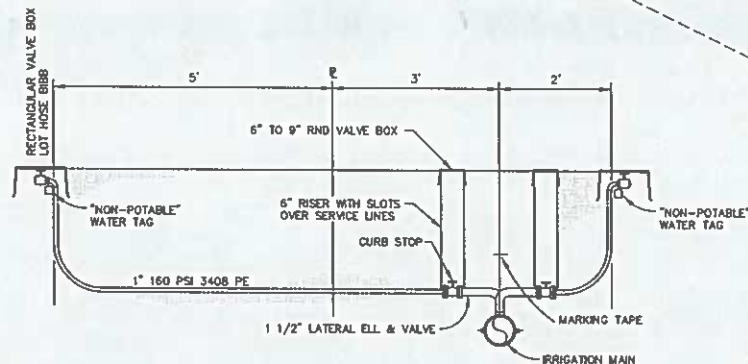
SCALE:

HORIZONTAL 1" = 50'
0 15 50 100 150

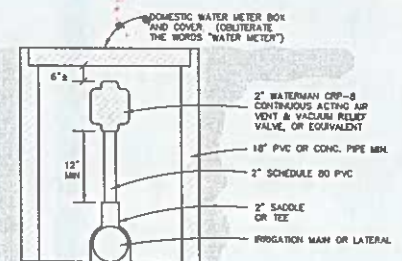


PRESSURE IRRIGATION NOTES:

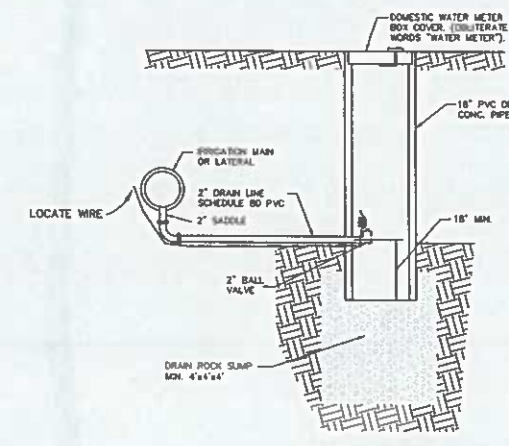
1. INSTALL FINDER TAPE WITH ALL IRRIGATION MAINS. TAPE SHALL BE TWO (2) INCHES WIDE, METALLIC RED IN COLOR, WITH THE WORDS DANGER-UNSAFE WATER OR NON-POTABLE WATER CLEARLY MARKED ALONG THE LENGTH OF THE TAPE. PLACE THE TAPE BETWEEN SIX (6) INCHES BELOW THE SURFACE AND EIGHTEEN (18) INCHES ABOVE THE TOP OF THE PIPE.
2. ASSEMBLE AND INSTALL ALL IRRIGATION RISERS AND BLOW-OFFS IN ACCORDANCE WITH THE DETAIL. LABEL ALL IRRIGATION RISERS AND FAUCETS WITH DURABLE TAGS CARRYING THE WARNING DANGER-UNSAFE WATER (OR EQUIVALENT) AND LOCATE THEM A MINIMUM OF TEN (10) FEET OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.
3. LABEL ALL VALVE BOXES AND VAULTS WITH THE WARNING DANGER-UNSAFE WATER OR NON-POTABLE WATER (OR EQUIVALENT), AND LOCATE THEM A MINIMUM OF TEN (10) FEET OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.
4. TREAT PRESSURE IRRIGATION MAINS AS SEWER LINES PER SEWER NOTE 19 ON SHEET 1.
5. INSTALL ALL CROSSINGS OF PUBLIC RIGHT-OF-WAY WITH PRESSURE IRRIGATION AT A MAXIMUM DEPTH OF TWO-AND-ONE-HALF (2-1/2) FEET AND IN AN AWWA C-900 OR AWWA C-905 PIPE SLEEVE WITH LOCATOR WIRE. ACHD SHALL INSPECT CROSSINGS PRIOR TO BACKFILLING.
6. PRESSURE TEST THE IRRIGATION SYSTEM TO ONE HUNDRED-FIFTY (150) POUNDS PER SQUARE INCH (PSI) WITH ALLOWABLE LOSS IN ACCORDANCE WITH SECTION 3.1 (C) OF THE STANDARD SPECIFICATIONS.
7. THE OWNERS ENGINEER AND/OR IRRIGATION DISTRICT SHALL INSPECT ALL PRESSURIZED IRRIGATION INSTALLATION.
8. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND/OR NAIMA-MERIDIAN IRRIGATION DISTRICT STANDARD SPECIFICATIONS FOR IRRIGATION SYSTEMS DATED 2-23-93. (NAIMA-MERIDIAN SPECS ARE FOR REFERENCE ONLY. THE NMD WILL NOT OWN THE SYSTEM.)
9. CONTRACTOR TO PROVIDE ALL BENDS AND THRUST BLOCKING AS NEEDED.
10. ALL TEES, PLUGS, CAPS & BENDS OF 1 1/4" AND GREATER AT LOCATIONS WHERE UNBALANCED FORCES EXIST SHALL BE SECURED AND ANCHORED BY SUITABLE THRUST BLOCKING.
11. ALL PRESSURE IRRIGATION PIPE SHALL BE CONSTRUCTED TO SLOPE TO DRAINS AND/OR PUMP-OUT STATIONS AS SHOWN ON THE PLANS.
12. IRRIGATION LINES TO BE CONSTRUCTED 3.0' OFF OF ALL BOUNDARY AND LOT LINES, UNLESS OTHERWISE INDICATED.



LOT IRRIGATION SERVICE HOOKUP DETAIL
-NTS-



AIR VENT STATION DETAIL
-NTS-



DRAIN STATION
-NTS-

NOTES TO CONTRACTOR:

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- 2) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

RECORD DRAWING
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MUNGER ENGINEERING, INC.
4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

PINEWOOD LAKES SUBDIVISION
PHASE 1

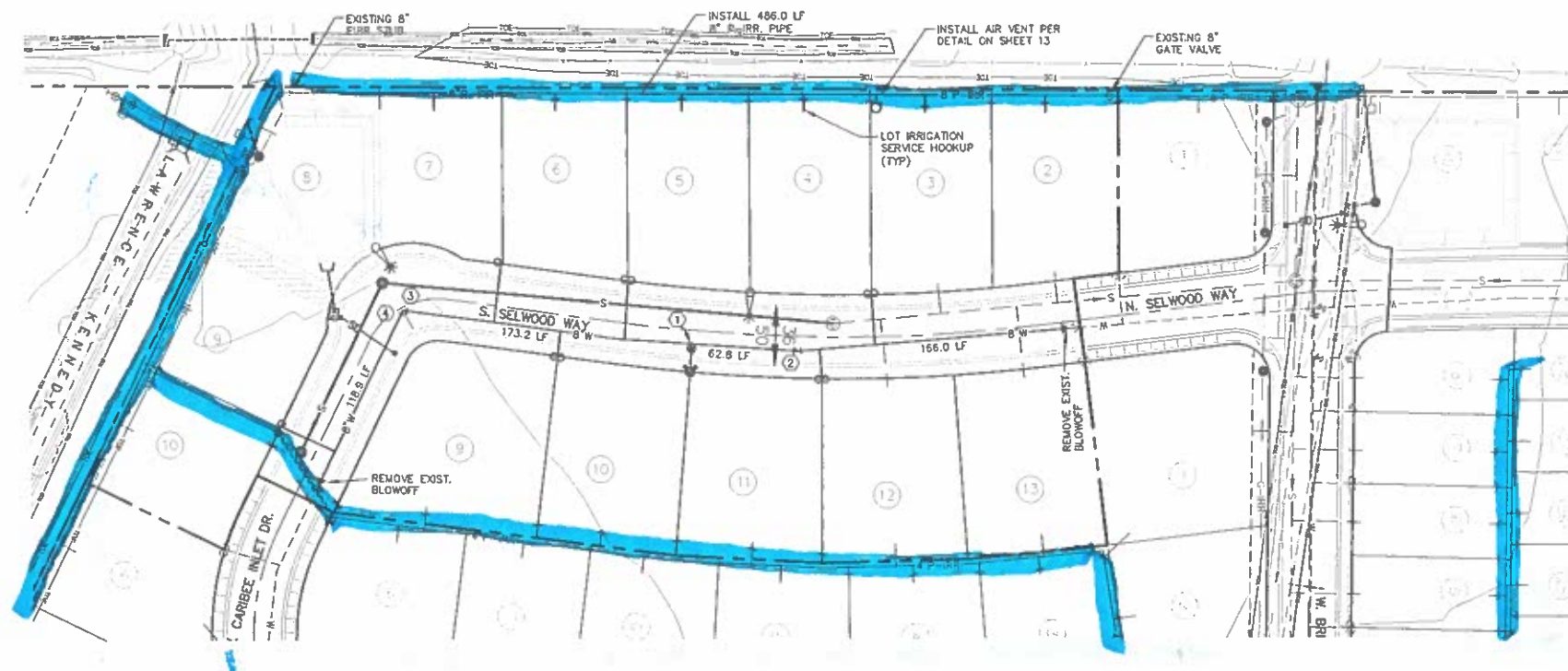
PRESSURE IRRIGATION PLAN

SOUTH HALF

JOB NO.
03-003-00

SHEET NO.
21

SEE SHEET 14 FOR PHASE 3 PRESSURE IRRIGATION



SCALE:
HORIZONTAL 1" = 50'

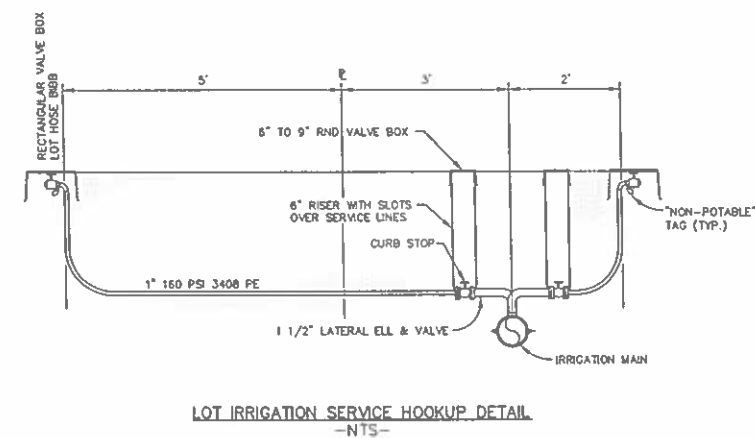
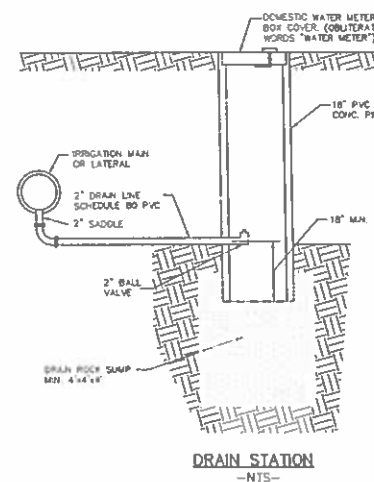
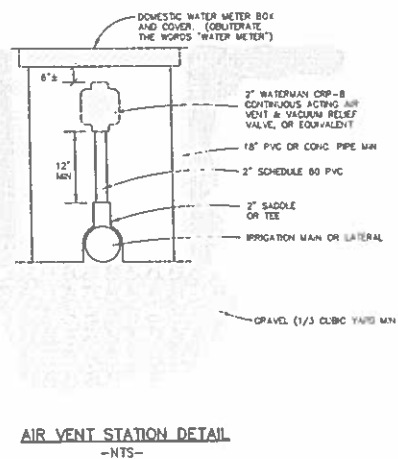
LEGEND	
	PROPERTY BOUNDARY
	RIGHT OF WAY LINE
	ROAD CENTERLINE
	CONSTRUCT STORM DRAIN
	CONSTRUCT GRAVITY IRRIGATION
	EXIST SEWER LINE W/ MANHOLE
	EXISTING WATER MAIN
	CONSTRUCT SEWER W/ MANHOLE
	CONST. WATER MAIN W/ VALVE
	INSTALL FIRE HYDRANT
	INSTALL BLOWOFF
	CONSTRUCT PRESSURE IRRIGATION (SIZE AS SHOWN)

BENCH MARKS:

TBM #1 - EL. 2464.52 - SURVEYORS CONTROL POINT
"CPT-100"
TBM #2 - EL. 2465.36 - SURVEYORS CONTROL POINT
"CPT-POWER"
TBM #3 - EL. 2459.77 - SURVEYORS CONTROL POINT
"CPT-STEELERS"
TBM #4 - EL. 2462.28 - SURVEYORS CONTROL POINT
"CPT-51"

NOTES TO CONTRACTOR:

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RECORD DRAWING ELECTRONIC COPY

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NO.	REVISIONS	BY	DATE
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4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

PINEWOOD LAKES SUBDIVISION
PHASES 2 & 3

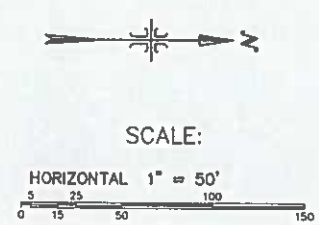
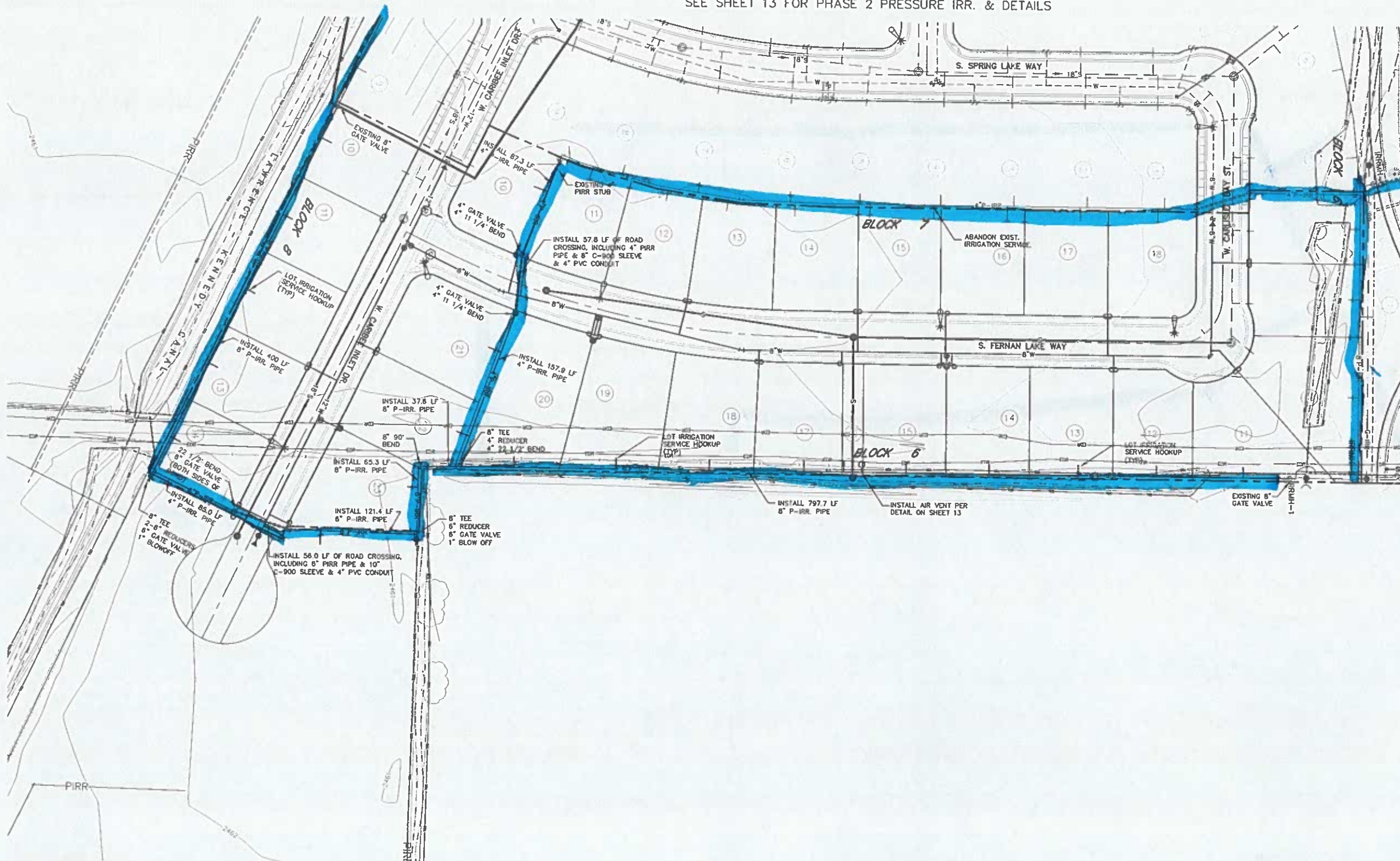
PRESSURE IRRIGATION PLAN

PHASE 2 & P-IRR DETAILS

JOB NO.
03-004-00

SHEET NO.
13

SEE SHEET 13 FOR PHASE 2 PRESSURE IRR. & DETAILS



NOTES TO CONTRACTOR:

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BENCH MARKS:

- TBM #1 - EL. 2464.52 - SURVEYORS CONTROL POINT "CPT-100"
- TBM #2 - EL. 2465.36 - SURVEYORS CONTROL POINT "CPT-POWER"
- TBM #3 - EL. 2459.77 - SURVEYORS CONTROL POINT "CPT-STEELERS"
- TBM #4 - EL. 2462.28 - SURVEYORS CONTROL POINT "CPT-S1"

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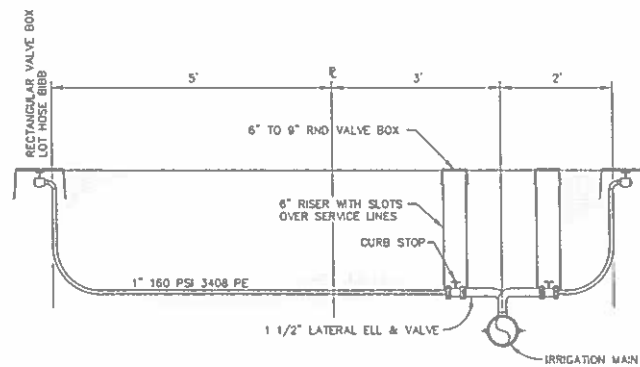
**PINEWOOD LAKES SUBDIVISION
PHASES 2 & 3**

PRESSURE IRRIGATION PLAN

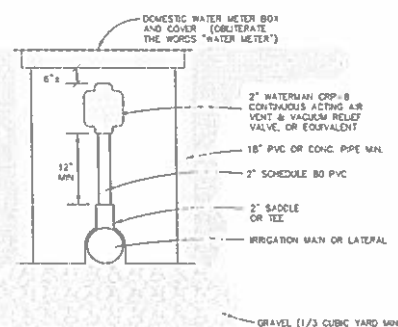
PHASE 3

JOB NO.
03-004-00

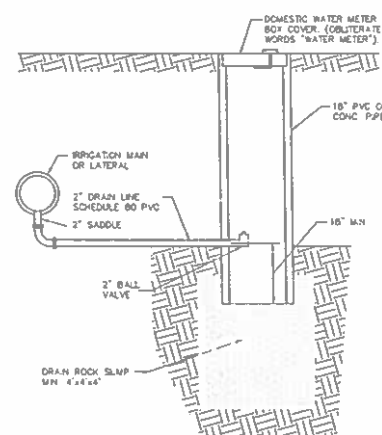
SHEET NO.
14



LOT IRRIGATION SERVICE HOOKUP DETAIL
-NTS-



AIR VENT STATION DETAIL
-NTS-



DRAIN STATION
-NTS-

NOTES TO CONTRACTOR:

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- 3) FIELD TOPOGRAPHIC INFORMATION PROVIDED BY IDAHO SURVEY GROUP.

NO.	REVISIONS	BY	DATE
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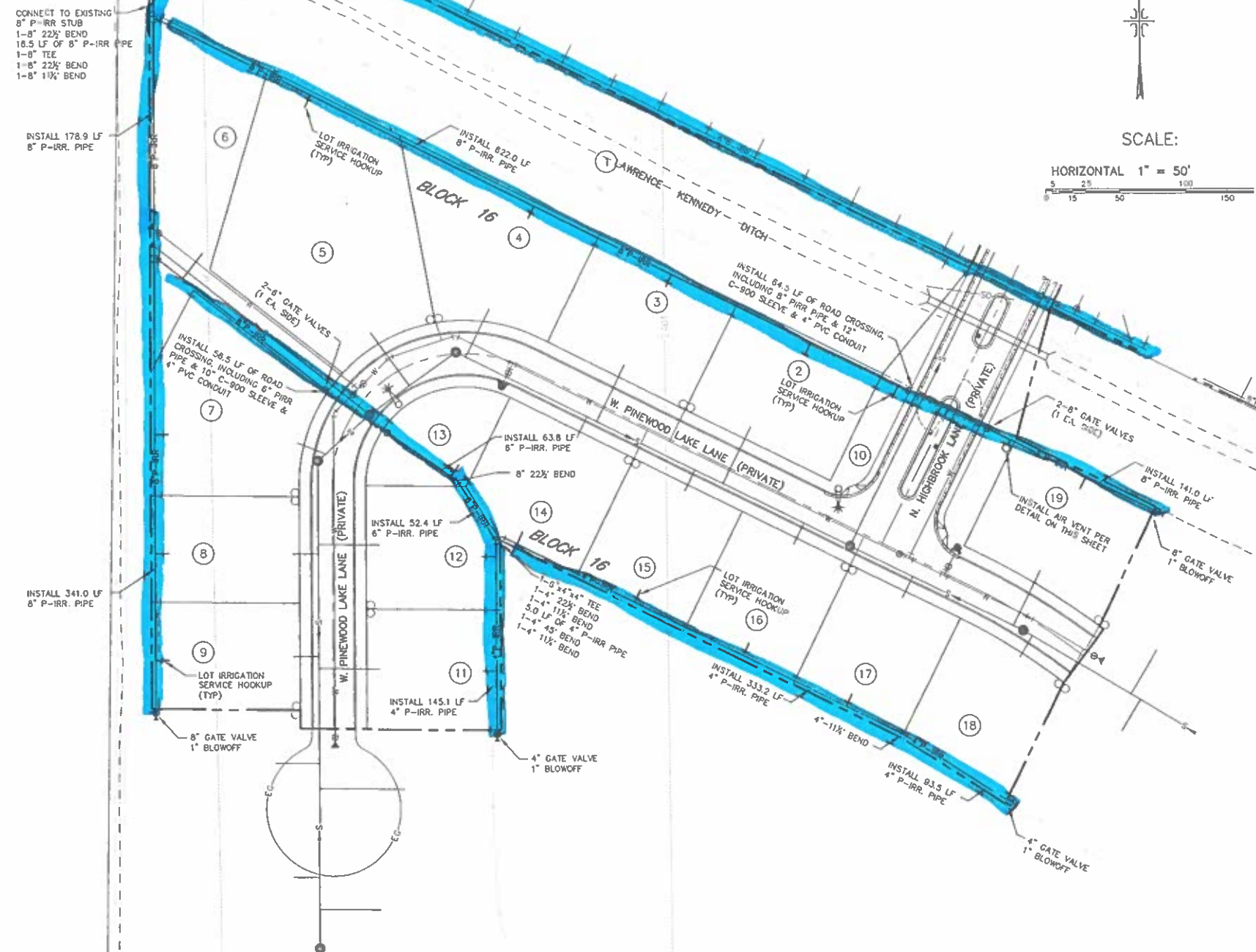
**MUNGER
ENGINEERING, INC.**

4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

CONNECT TO EXISTING
8" P-IRR. STUB
1-8" 22 1/2° BEND
18.5 LF OF 8" P-IRR. PIPE
1-8" TEE
1-8" 22 1/2° BEND
1-8" 1 1/4" BEND

INSTALL 178.9 LF
8" P-IRR. PIPE

INSTALL 341.0 LF
8" P-IRR. PIPE



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FORMERLY PHASE 5

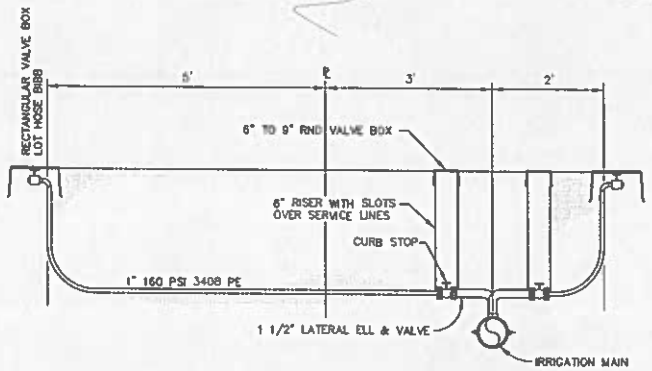
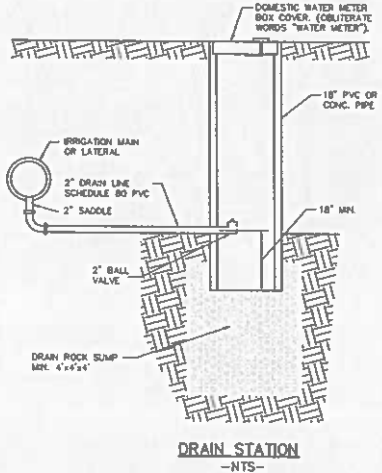
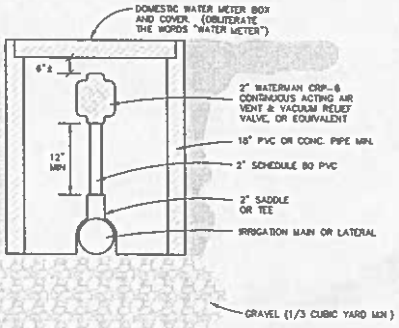
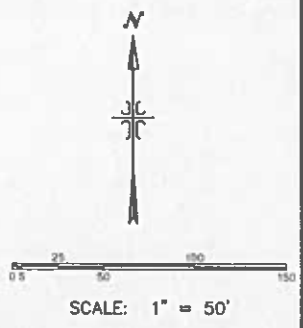
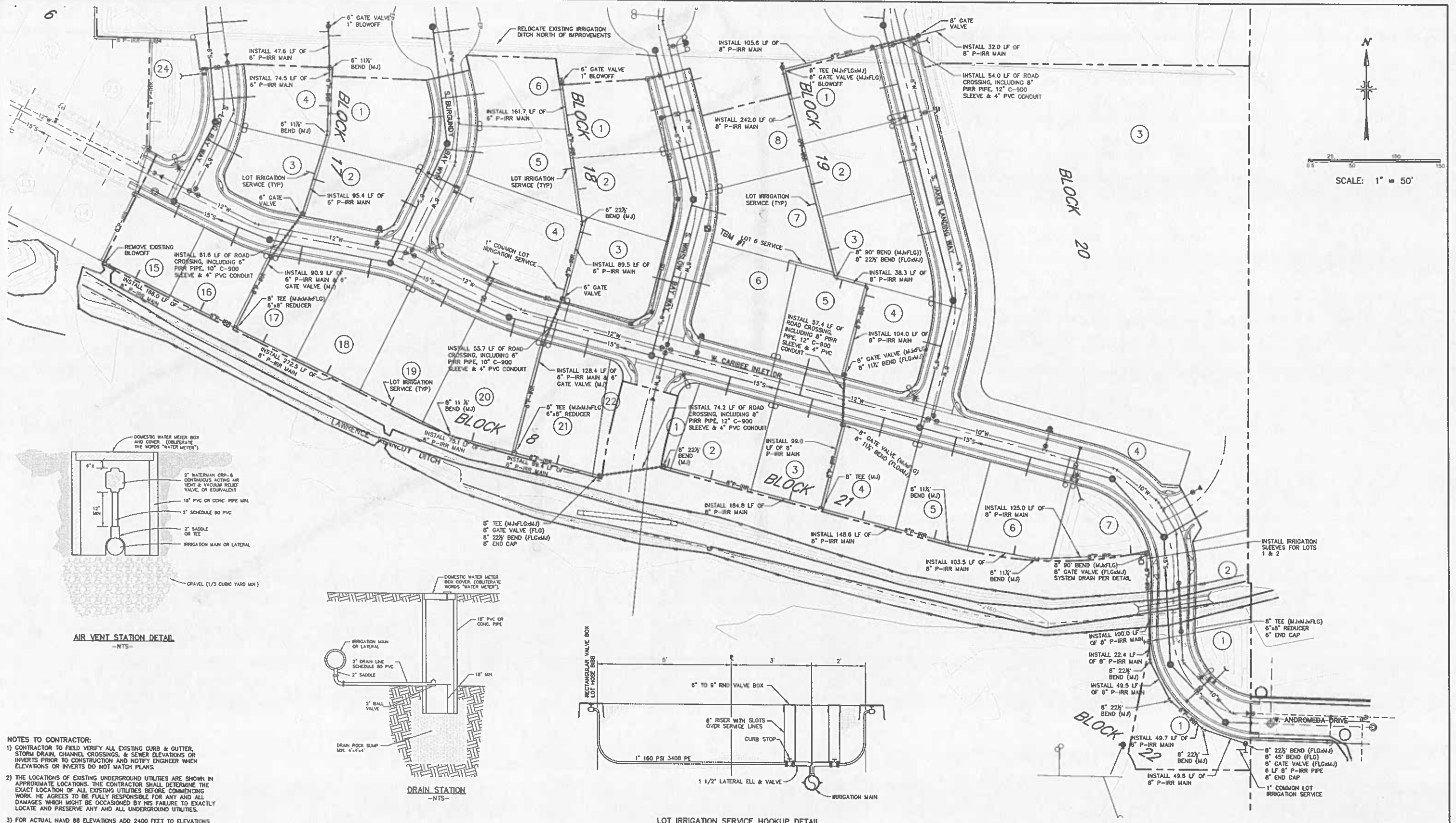
PINWOOD LAKES SUBDIVISION
PHASE 4

PRESSURE IRRIGATION PLAN
& P-IRR DETAILS

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JOB NO.
04-017-00

SHEET NO.
11



- NOTES TO CONTRACTOR:**
- 1) CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL, CROSSINGS, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
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 - 3) FOR ACTUAL NAVD 88 ELEVATIONS ADD 2400 FEET TO ELEVATIONS SHOWN.
 - 4) TOPOGRAPHIC INFORMATION SUPPLIED BY IDAHO SURVEY GROUP.

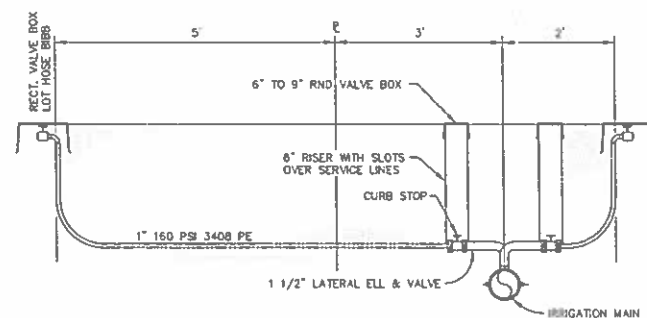
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MUNGER ENGINEERING, INC.
 4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

**PINEWOOD LAKES SUBDIVISION
 PHASE 5**

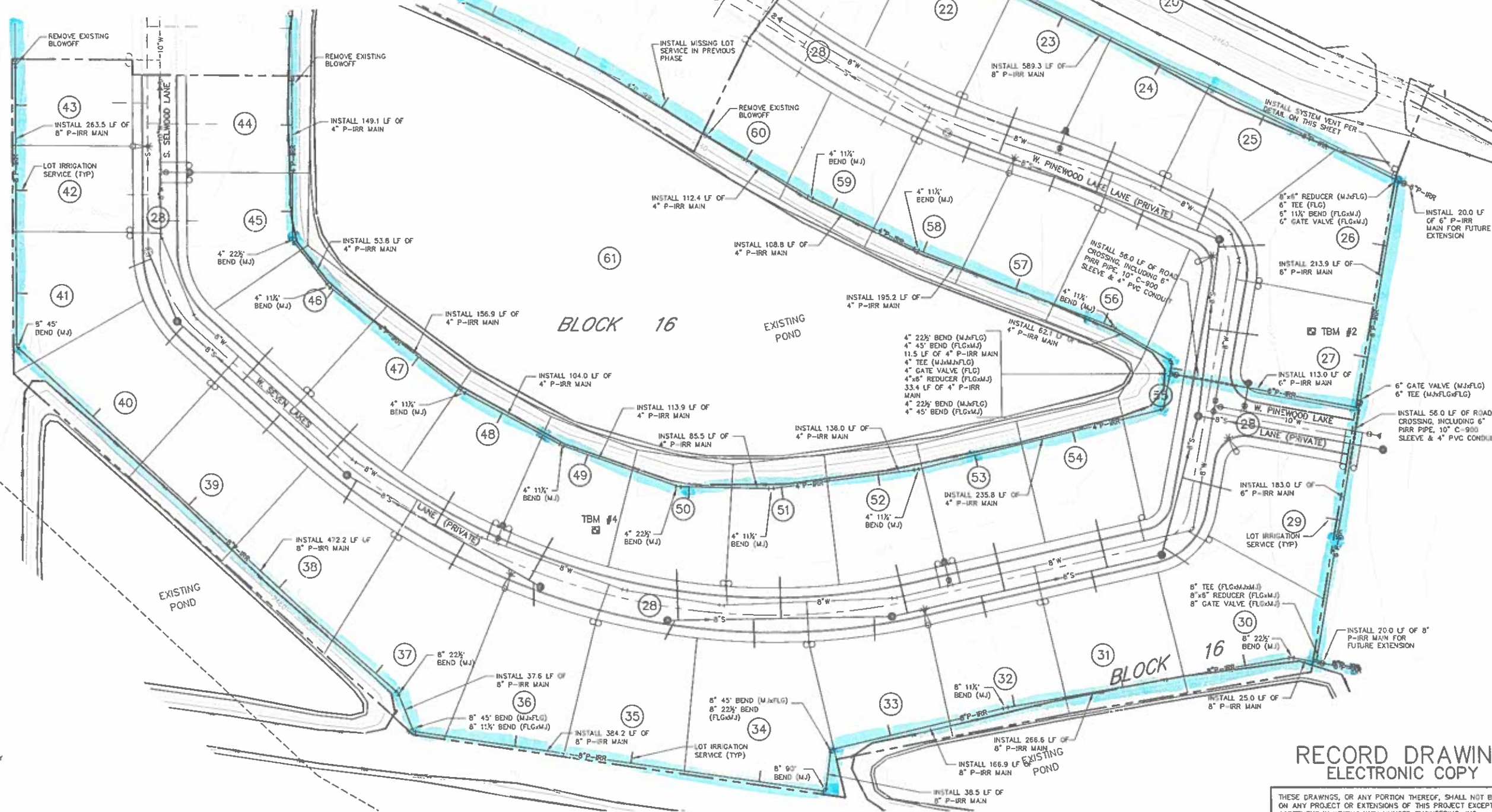
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PRESSURE IRRIGATION PLAN AND DETAILS	SHEET NO. 13



LOT IRRIGATION SERVICE HOOKUP DETAIL
-NTS-

AIR VENT STATION DETAIL
-NTS-



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4090 W. STATE

**MUNGER
ENGINEERING, INC.**

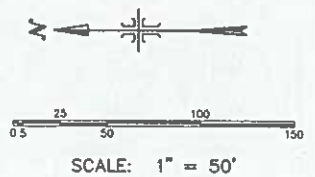
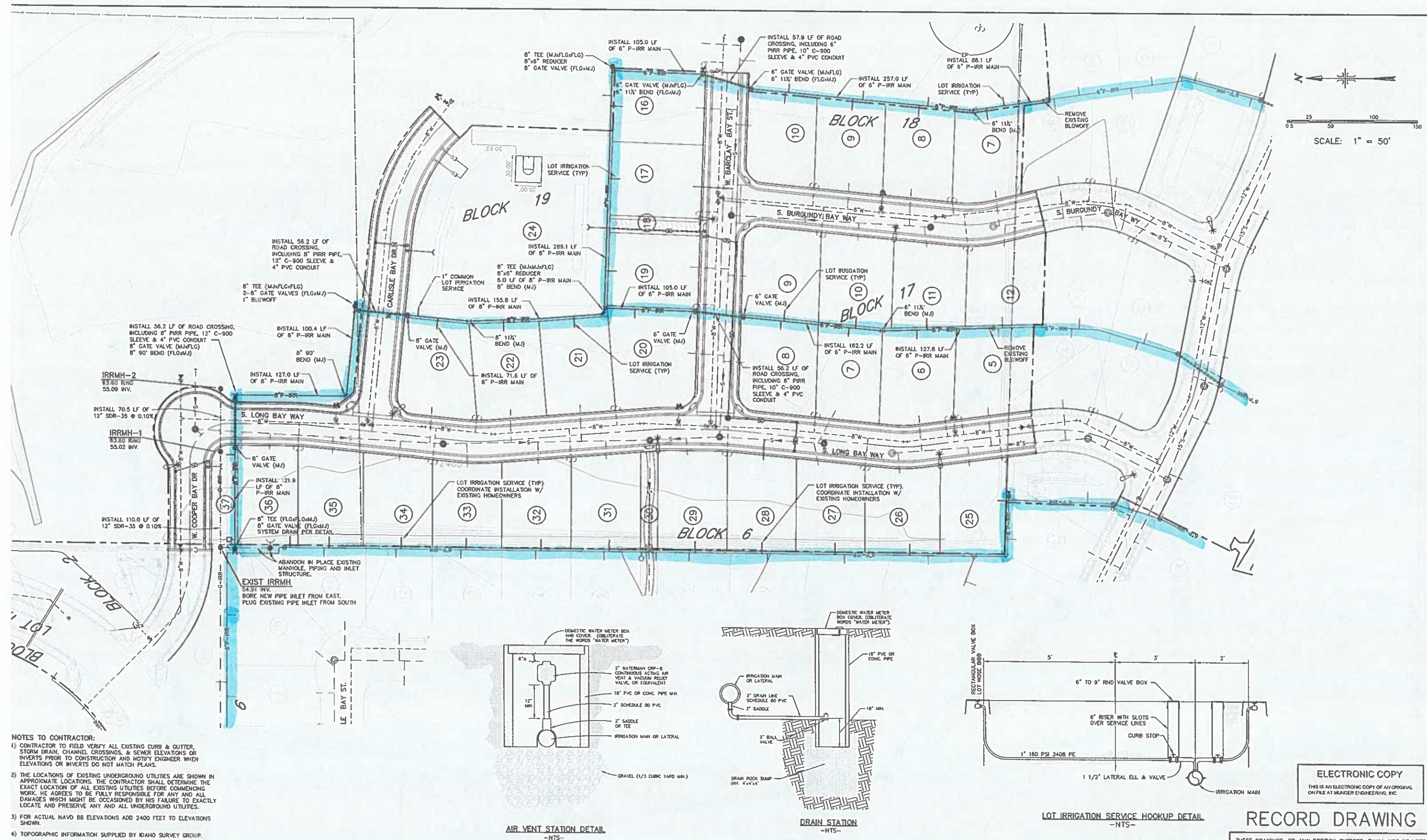
4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

PINEWOOD LAKES SUBDIVISION
PHASE 6

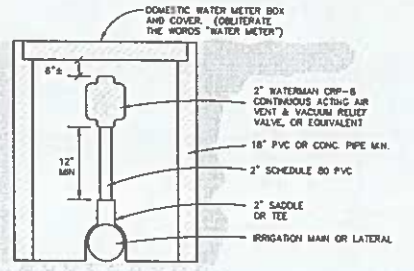
PRESSURE IRRIGATION PLAN AND DETAILS

JOB NO.
05-020-00

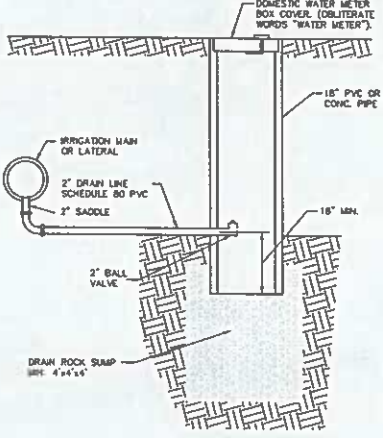
SHEET NO.
10



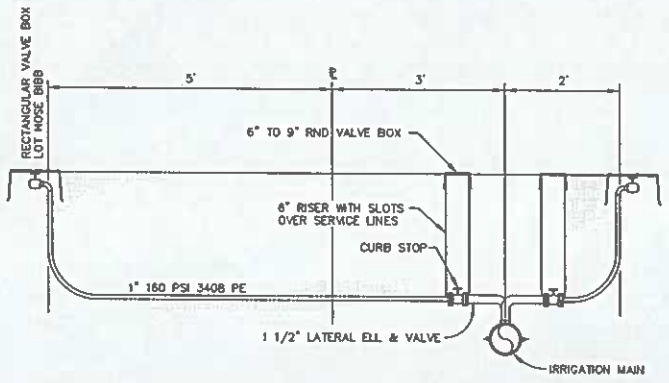
- NOTES TO CONTRACTOR:**
- 1) CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL CROSSINGS, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
 - 2) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
 - 3) FOR ACTUAL NAVD 88 ELEVATIONS ADD 2400 FEET TO ELEVATIONS SHOWN.
 - 4) TOPOGRAPHIC INFORMATION SUPPLIED BY IDAHO SURVEY GROUP.



AIR VENT STATION DETAIL
-NTS-



DRAIN STATION
-NTS-



LOT IRRIGATION SERVICE HOOKUP DETAIL
-NTS-

ELECTRONIC COPY
THIS IS AN ELECTRONIC COPY OF AN ORIGINAL ON FILE AT MUNGER ENGINEERING, INC.

RECORD DRAWING

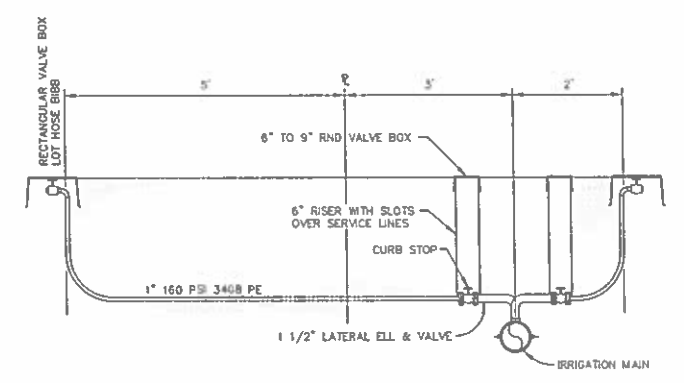
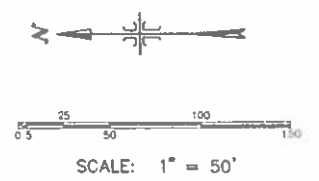
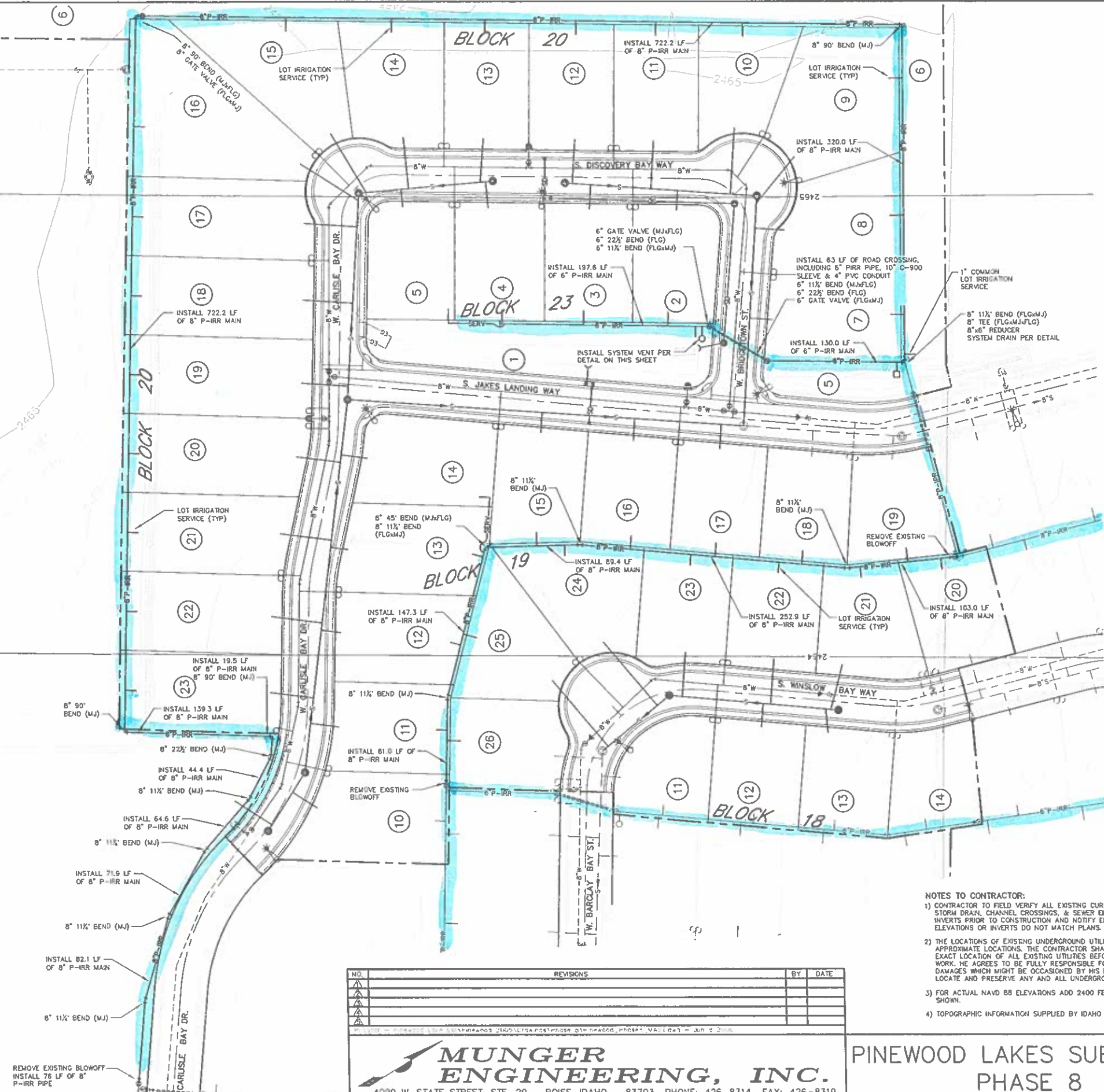
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REVISIONS	BY	DATE

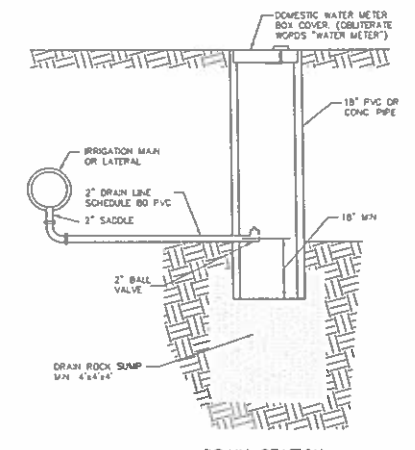
MUNGER ENGINEERING, INC.
4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

**PINEWOOD LAKES SUBDIVISION
PHASE 7**

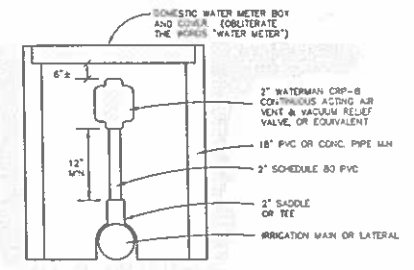
PRESSURE IRRIGATION PLAN AND DETAILS	JOB NO. 05-035-00 SHEET NO. 12
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LOT IRRIGATION SERVICE HOOKUP DETAIL
-NTS-



DRAIN STATION
-NTS-



AIR VENT STATION DETAIL
-NTS-

- NOTES TO CONTRACTOR:
- 1) CONTRACTOR TO FIELD VERIFY ALL EXISTING CURB & GUTTER, STORM DRAIN, CHANNEL CROSSINGS, & SEWER ELEVATIONS OR INVERTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER WHEN ELEVATIONS OR INVERTS DO NOT MATCH PLANS.
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 - 3) FOR ACTUAL NAVD 88 ELEVATIONS ADD 2400 FEET TO ELEVATIONS SHOWN.
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NO.	REVISIONS	BY	DATE
1			
2			
3			
4			

MUNGER ENGINEERING, INC.
4090 W. STATE STREET, STE. 29 - BOISE, IDAHO - 83703 PHONE: 426-8314 FAX: 426-8319

**PINEWOOD LAKES SUBDIVISION
PHASE 8**

**PRESSURE IRRIGATION PLAN
AND DETAILS**

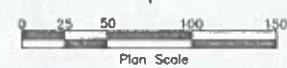
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JOB NO.
05-036-00
SHEET NO.
11



Pine wood Lakes
Irrigation Phase 9



GENERAL NOTES

1. SEE SHEET C12 GENERAL NOTES.
2. SEE SHEET C5.1 FOR PRESSURE IRRIGATION DETAILS.
3. CONTOURS SHOWN ARE ROUGH GRADE ELEVATIONS.
4. ALL FITTINGS AND VALVES SHALL BE THE SAME SIZE AS THE LARGEST DIAMETER PIPE COMING INTO THE FITTING OR VALVE.
5. ALL ROAD-CROSSINGS SHALL BE SLEEVED PER TYPICAL SLEEVED ROAD CROSSING DETAIL, SHEET C5.1.

IRRIGATION NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE PRESSURIZED IRRIGATION SPECIFICATIONS AND STANDARD DRAWINGS OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (I.S.P.W.C.), CITY OF STAR PRESSURE IRRIGATION STANDARDS, AND THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (RPDWS) OF IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (D.E.Q.). THE CONTRACTOR SHALL MAINTAIN ON-SITE, AT ALL TIMES, AT LEAST ONE COPY OF THE MOST CURRENT EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (I.S.P.W.C.) AND THE CITY OF STAR, IDAHO PRESSURE IRRIGATION STANDARDS.
2. ALL IRRIGATION AND AMENITY SYSTEM MATERIAL SHALL CONFORM TO THE MATERIALS SCHEDULE ON SHEET C5.1.
3. IRRIGATION SERVICES SHALL BE CONSTRUCTED PER DETAIL DRAWINGS ON SHEET C5.1.
4. THE HORIZONTAL AND VERTICAL SEPARATION OF THE POTABLE WATER AND NON-POTABLE PIPELINES (SEWER, STORMDRAIN, IRRIGATION, AMENITY, ETC.) SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (RPDWS) AND AS DETAILED IN SECTION 405 - NON-POTABLE WATER LINE SEPARATION AND I.S.P.W.C. STANDARD DRAWING 50-407. IN CASE OF A DISCREPANCY, THE I.S.P.W.C. SHALL GOVERN.
5. GROUNDWATER LEVELS SHALL BE MAINTAINED BELOW THE BOTTOM OF THE TRENCH DURING THE PIPE LAYING AND PIPE JOINING OPERATIONS. CONTRACTOR SHALL OBTAIN A SHORT TERM ACTIVITY EXEMPTION FROM D.E.Q. PRIOR TO ANY DOWNGRADES.
6. ALL PRESSURE IRRIGATION AND AMENITY LINES SHALL BE PLACED IN THE GROUND WITH THE PIPE INVERT BEING AT OR ABOVE THE ESTIMATED HIGH GROUNDWATER ELEVATION. FINISHED GRADE COVER OVER PRESSURE IRRIGATION AND AMENITY LINES SHALL BE A MINIMUM OF 36". SEE DETAIL ON SHEET C5.2 FOR INSTALLATION OF MANS ALONG POKES.
7. PIPE TRENCHING WILL OCCUR IN ACCORDANCE WITH THE I.S.P.W.C.. INSTALLATION OF PIPE BEDDING SHALL CONFORM TO I.S.P.W.C. CLASS A-1 COMPACTED TO 92% MAXIMUM DENSITY IN THE LOWER ZONES AND 95% IN THE UPPER ZONES (ASTM D698). BEDDING MATERIALS SHALL CONFORM TO I.S.P.W.C. TYPE I BEDDING MATERIALS. BACKFILL SHALL CONFORM TO TYPE A BACKFILL AND COMPLY WITH I.S.P.W.C. STANDARD DRAWINGS 50-301 AND 50-302.
8. APPROXIMATE PIPE LENGTHS SHOWN ARE FROM CENTER OF ELBOW/TEE TO CENTER OF ELBOW/TEE.
9. RECORD INFORMATION SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUPPLIED TO THE OWNER FOR FUTURE USE AND REFERENCE. SUBMITTAL OF RECORD INFORMATION IS A CONDITION OF FINAL ACCEPTANCE.
10. ALL IRRIGATION MAINS AND SERVICES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH ISPIC SECTION 400. TEST PRESSURE SHALL BE 150 PSI.
11. ALL IRRIGATION MAINS WITHIN FUTURE RIGHT OF WAY OR UNDER PAVEMENT OR SIDEWALKS SHALL BE SLEEVED IN ACCORDANCE WITH THE DETAIL ON SHEET C5.1.
12. CONTRACTOR MAY ELECT TO ELIMINATE ELBOWS WITH ANGLES LESS THAN 45° PROVIDED THE PIPE BARREL DEFLECTION IS WITHIN MANUFACTURER'S LIMITS. NO JOINT DEFLECTION IS ALLOWED.
13. ALL ISOLATION VALVES SHALL BE PRESSURE TESTED IN THE CLOSED POSITION.



REVISIONS	
NO.	DESCRIPTION
1	CITY OF STAR AND STAR REVIEW COMMENTS
2	CITY OF STAR AND STAR REVIEW COMMENTS

PINEWOOD LAKES SUBDIVISION - PHASE 9
STAR, ID

IRRIGATION IMPROVEMENT PLANS

DRAWING STATUS:

RECORD DRAWINGS



ENGINEERS, SURVEYORS, PLANNERS
9233 WEST STATE STREET
BOISE, IDAHO 83724
PHONE (208) 639-6939
FAX (208) 639-6930

RECORD DRAWINGS

THIS RECORD DRAWING HAS BEEN PREPARED, IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE DESIGN PROFESSIONAL CANNOT ASSURE ITS ACCURACY, AND THERE IS NOT RESPONSIBILITY FOR THE ACCURACY OF THIS RECORD DRAWING OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE APPLYING IT FOR ANY PURPOSE.

DESIGN BY:	MOD
DRAWN BY:	MOD
CHECKED BY:	KPM
DATE:	2/22/13
PROJECT:	12-125

SHEET NO.
C5.0