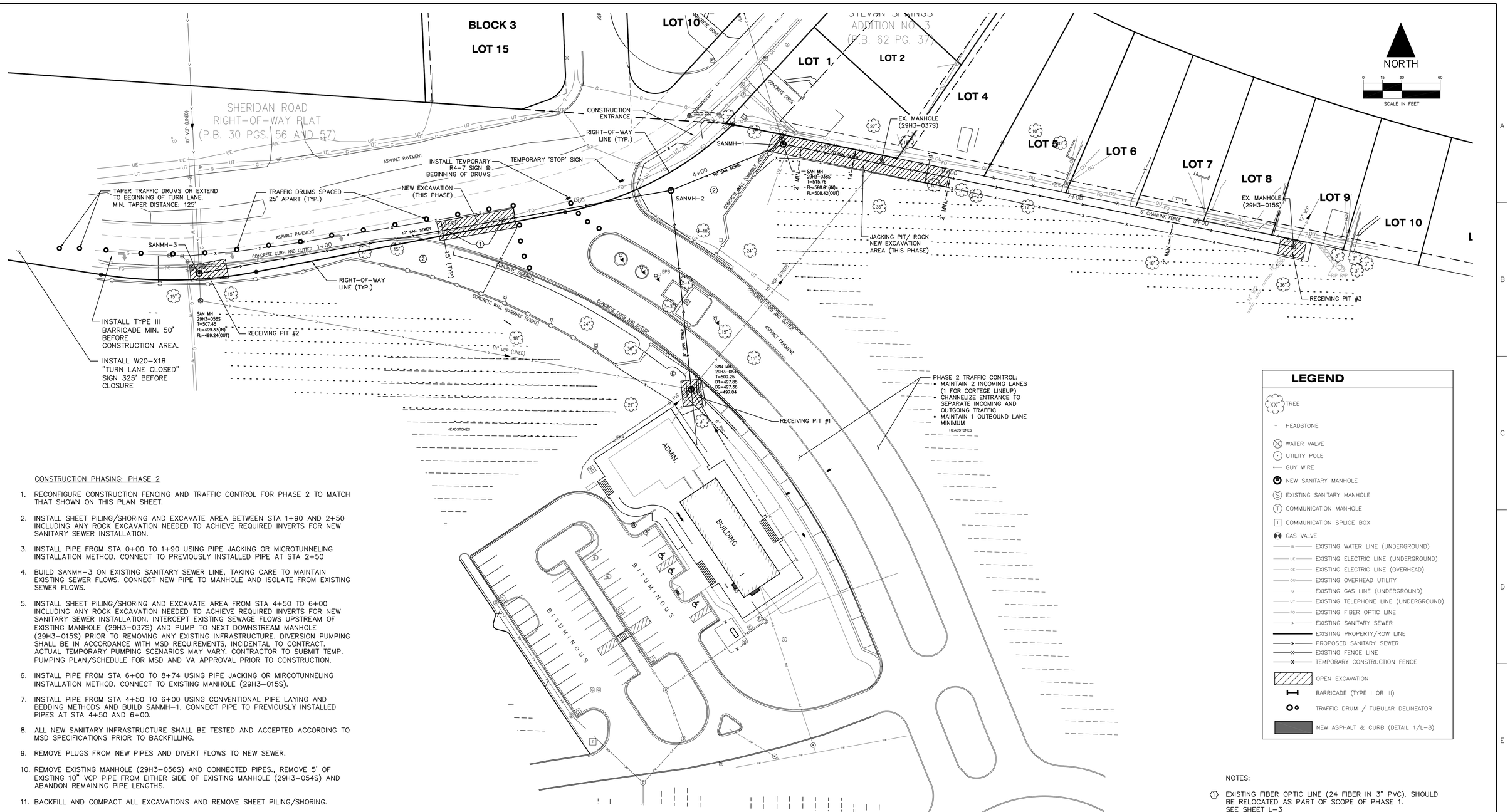

CONSTRUCTION PHASING: PHASE 2

1. RECONFIGURE CONSTRUCTION FENCING AND TRAFFIC CONTROL FOR PHASE 2 TO MATCH THAT SHOWN ON THIS PLAN SHEET.
2. INSTALL SHEET PILING/SHORING AND EXCAVATE AREA BETWEEN STA 1+90 AND 2+50 INCLUDING ANY ROCK EXCAVATION NEEDED TO ACHIEVE REQUIRED INVERTS FOR NEW SANITARY SEWER INSTALLATION.
3. INSTALL PIPE FROM STA 0+00 TO 1+90 USING PIPE JACKING OR MICROTUNNELING INSTALLATION METHOD. CONNECT TO PREVIOUSLY INSTALLED PIPE AT STA 2+50
4. BUILD SANMH-3 ON EXISTING SANITARY SEWER LINE, TAKING CARE TO MAINTAIN EXISTING SEWER FLOWS. CONNECT NEW PIPE TO MANHOLE AND ISOLATE FROM EXISTING SEWER FLOWS.
5. INSTALL SHEET PILING/SHORING AND EXCAVATE AREA FROM STA 4+50 TO 6+00 INCLUDING ANY ROCK EXCAVATION NEEDED TO ACHIEVE REQUIRED INVERTS FOR NEW SANITARY SEWER INSTALLATION. INTERCEPT EXISTING SEWAGE FLOWS UPSTREAM OF EXISTING MANHOLE (29H3-037S) AND PUMP TO NEXT DOWNSTREAM MANHOLE (29H3-015S) PRIOR TO REMOVING ANY EXISTING INFRASTRUCTURE. DIVERSION PUMPING SHALL BE IN ACCORDANCE WITH MSD REQUIREMENTS, INCIDENTAL TO CONTRACT. ACTUAL TEMPORARY PUMPING SCENARIOS MAY VARY. CONTRACTOR TO SUBMIT TEMP. PUMPING PLAN/SCHEDULE FOR MSD AND VA APPROVAL PRIOR TO CONSTRUCTION.
6. INSTALL PIPE FROM STA 6+00 TO 8+74 USING PIPE JACKING OR MIRCOTUNNELING INSTALLATION METHOD. CONNECT TO EXISTING MANHOLE (29H3-015S).
7. INSTALL PIPE FROM STA 4+50 TO 6+00 USING CONVENTIONAL PIPE LAYING AND BEDDING METHODS AND BUILD SANMH-1. CONNECT PIPE TO PREVIOUSLY INSTALLED PIPES AT STA 4+50 AND 6+00.
8. ALL NEW SANITARY INFRASTRUCTURE SHALL BE TESTED AND ACCEPTED ACCORDING TO MSD SPECIFICATIONS PRIOR TO BACKFILLING.
9. REMOVE PLUGS FROM NEW PIPES AND DIVERT FLOWS TO NEW SEWER.
10. REMOVE EXISTING MANHOLE (29H3-056S) AND CONNECTED PIPES., REMOVE 5' OF EXISTING 10" VCP PIPE FROM EITHER SIDE OF EXISTING MANHOLE (29H3-054S) AND ABANDON REMAINING PIPE LENGTHS.
11. BACKFILL AND COMPACT ALL EXCAVATIONS AND REMOVE SHEET PILING/SHORING.
12. PATCH DISTURBED PAVEMENT PER 1/L-8 TO MATCH SURFACE.

LEGEND

- TREE
- HEADSTONE
- WATER VALVE
- UTILITY POLE
- GUY WIRE
- NEW SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- COMMUNICATION MANHOLE
- COMMUNICATION SPLICE BOX
- GAS VALVE
- EXISTING WATER LINE (UNDERGROUND)
- EXISTING ELECTRIC LINE (UNDERGROUND)
- EXISTING ELECTRIC LINE (OVERHEAD)
- EXISTING OVERHEAD UTILITY
- EXISTING GAS LINE (UNDERGROUND)
- EXISTING TELEPHONE LINE (UNDERGROUND)
- EXISTING FIBER OPTIC LINE
- EXISTING SANITARY SEWER
- EXISTING PROPERTY/ROW LINE
- PROPOSED SANITARY SEWER
- EXISTING FENCE LINE
- TEMPORARY CONSTRUCTION FENCE
- OPEN EXCAVATION
- BARRICADE (TYPE I OR III)
- TRAFFIC DRUM / TUBULAR DELINEATOR
- NEW ASPHALT & CURB (DETAIL 1/L-8)

NOTES:

1. EXISTING FIBER OPTIC LINE (24 FIBER IN 3" PVC). SHOULD BE RELOCATED AS PART OF SCOPE OF PHASE 1. SEE SHEET L-3
2. CONSTRUCTION STAGING / MATERIALS STORAGE AREA

PHASING SCHEMATIC
(MAXIMUM DURATION IN CALENDAR DAYS NOTED)

PHASE 1
45 DAYS
OPEN CUT

PHASE 2
65 DAYS
TRENCHLESS CONSTRUCTION

PHASE 3
30 DAYS
RESTORATION

CALL 48 HOURS BEFORE DIGGING
Utilities Underground Location Center
DIAL 811
811
Know what's below. Call before you dig.

P-0029720-00
BASE MAP 29H3

BID DOCUMENTS

Revisions	Date

CONSULTANTS:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI.
PRINT NAME: GARY R. JOHNSON, P.E.
SIGNATURE:
DATE March 28, 2016 LICENSE NUMBER P.E. 2012005390

ARCHITECT/ENGINEERS:

ANDERSON ENGINEERING
ENGINEERING • ARCHITECTURE • LAND SURVEYING
ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE

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Drawing Title: CONSTRUCTION PHASING PLAN - PHASE 2
Approved Project Director:
Project Title: SEWER RELOCATION
Location: ST. LOUIS, MO
Date: 3-28-16
Checked: AMT
Drawn: PSH
Project Number: 852CM3037
Drawing Reference Number:
Drawing Number: L-4
Dwg. 7 Of 17

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231