

**GENERAL GRADING AND DRAINAGE NOTES:**

CONTRACTOR SHALL COORDINATE WITH THE CITY OF OFALLON AND MODOT REGARDING THE ENTRANCE CURB CUTS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL TRAFFIC CONTROL REQUIREMENTS.

CONTRACTOR SHALL VERIFY AND PROVIDE POSITIVE DRAINAGE FROM THE PROPOSED BUILDING TO THE EXISTING PAVEMENT/GROUND TIE-IN POINTS.

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CITY OF OFALLON, MO. CODES, STANDARDS AND SPECIFICATIONS.

ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE LOCAL, STATE, AND FEDERAL CODE REQUIREMENTS. WHEN CODES ARE IN CONFLICT, THE MORE STRINGENT SHALL APPLY.

**INTERNAL COMPONENTS TO BE INSTALLED ON SITE BY CONTRACTOR CONSULTANT. PLEASE CONTACT CONTRACTOR FOR CURRENT INSTALLATION LEAD TIME.**

**PLAN VIEW (INTERVALS NOT SHOWN)**

**ELEVATION VIEW**

**SECTION FOR PIPE ORIENTATION**

| QUANTITY | DESCRIPTION                                 | INSTALLER  | REMARKS |
|----------|---|------------|---------|
| 1        | CS-8 FIBERGLASS CYLINDER INSERT, STD.       | CONTRACTOR |         |
| 1        | CS-8 ALUMINUM INSTALLATION BRACKET          | CONTRACTOR |         |
| 1        | SEALANT FOR JOINTS                          | CONTRACTOR |         |
| 2        | 24" x 4" FRAME & COVER, ELM1600388, OR EQV. | CONTRACTOR |         |

**GENERAL NOTES:**

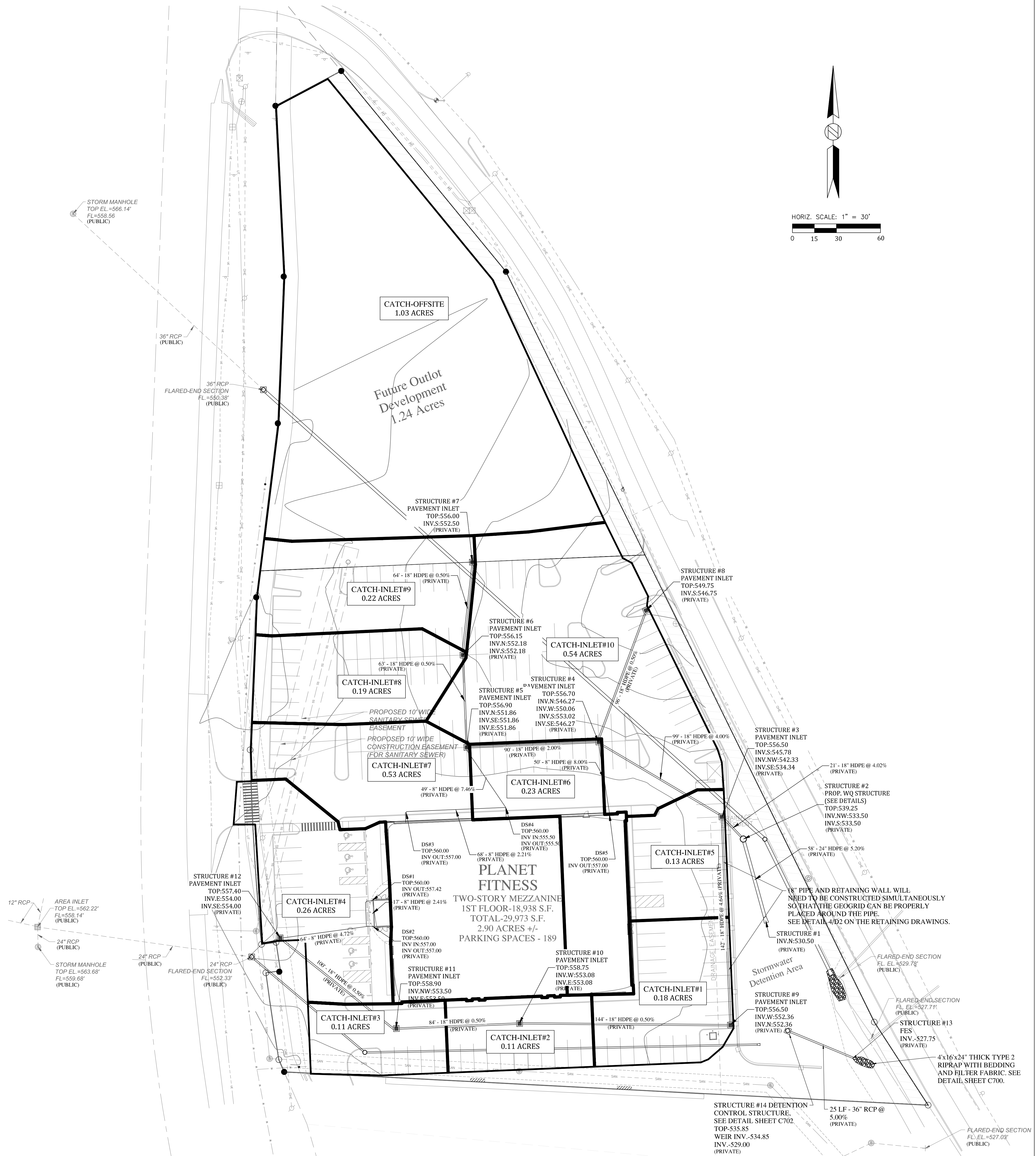
- VERIFY TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTRACTOR REPRESENTATIVE.
- CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THE DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET A500 16-20 LOAD RATING, ASSUMING EARTH COVER OF 0'-2" AND GROUNDWATER ELEVATION AS SHOWN. THE OUTLET PIPE INVERT ELEVATION, ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET A500 AND BE CAST WITH THE CONTRACTOR.
- CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND A500 LOAD FACTOR OBSERVED TPO.

**INSTALLATION NOTES:**

- 20% EXCESSIVE DEPTH, DEPTH AND ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFT REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR FRAME STRUCTURE.
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE RELIANT 8" WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

**STRUCTURE WEIGHT:**  
APPROXIMATE HEAVIEST PICK = 17500 LBS. OF PIECES  
MAXIMUM FOOTPRINT = 1'00"

**CONTECH PROPOSAL DRAWING LAYOUT 1A**



**Architect:**  
  
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Missouri Firm License: 2016012969  
 MO Certificate of Authority: LC001485066

RDC Project No. 20-115

**TODD JEFFREY REYLING**  
 PROFESSIONAL ENGINEER  
 LICENSE EXPIRES - 12.31.2023  
 DATE SIGNED - 12.01.2021

ENGINEER OF RECORD:  
 Todd J. Reyling, PE  
 Missouri PE 2011020072

**New Ground Up Building for:**  
**PLANET FITNESS**  
 914 Highway K  
 O'Fallon, MO 63366  
 St. Charles County  
 MTSTUDIO PROJECT NUMBER:

| ISSUED / REVISED              | DATE       |
|-------------------------------|------------|
| ISSUED TO CITY                | 05.12.2021 |
| REVISED PER CITY/NOT COMMENTS | 07.20.2021 |
| REVISED PER CITY/NOT COMMENTS | 08.10.2021 |
| REVISED FOR RETAINING WALL    | 11.19.2021 |
| REVISED PER CITY COMMENTS     | 12.01.2021 |

**RIP-RAP NOTE:**  
 RIP-RAP SHOWN AT FLARED ENDS WILL BE EVALUATED IN THE FIELD BY THE ENGINEER, CONTRACTOR, AND CITY INSPECTOR AFTER INSTALLATION FOR EFFECTIVENESS AND FIELD MODIFIED, IF NECESSARY, TO REDUCE EROSION ON AND OFF-SITE.

Proposed Storm Sewer Plan  
**C402**