INSTALL:
12" RCP DRAINPIPE
2 EACH PRE-CAST INLET/OUTLET
FL=482.2 IN
FL=482.0 OUT

INSTALL: PRIVATE
4" H.D.P.E. DRAINPIPE
5 EACH 6" BOX INLET
1 EACH OUTLET AT DETENTION

INSTALL: PRIVATE
4" H.D.P.E. DRAINPIPE
5 EACH 6" BOX INLET
1 EACH OUTLET AT DETENTION

INSTALL: PUBLIC
20' - 18" RCP DRAINPIPE
1 EACH PRE-CAST INLET/OUTLET
SAFETY HEADWALL W/ 6:1 SLOPE

INSTALL: PUBLIC
10' - 18" RCP DRAINPIPE
1 EACH PRE-CAST INLET/OUTLET
SAFETY HEADWALL W/ 6:1 SLOPE

INSTALL:
1 EACH 1-1/2" WATER METER
94 LFT 1-1/2" WATER LINE
1 EACH TESTABLE DBL. CHECK

INSTALL:
6" FIRE LINE, C-900
1 EACH 8"X6" T&S
1 EACH 6" VALVE
6" FIRE LINE I' INTO BLDG.

INSTALL: PRIVATE
168 LFT OF 4" SANITARY SEWER
CONNECTED TO EXT SS TAP
2 EACH DBL CLEAN-OUT
@ 1.10%

NO CONSTRUCTION ALLOWED

APPROXIMATE LOCATION
ZONE 'A'
(100-YEAR FLOOD PLAIN)
9-26-2008

DRAINAGE EASEMENT
DETENTION POND
WITH 2' OF FREEBOARD
FL=484.5

GRAVITY RETAINING WALL W/ 4' WROUGHT IRON FENCE

4' WROUGHT IRON FENCE WITH 4' GATE

35' BUILDING LINE

20' LANDSCAPE BUFFER

15' UTILITY EASEMENT

Lot 1, Block 1
Children's Lighthouse Addition
1.543 Acres

QUAIL RUN ROAD
PUBLIC ROADWAY

Existing 18" RCP to remain

EX 8" WTR LIN TO REMAIN

MONUMENT SIGN

EX. MONUMENT SIGN

GREASE TRAP

PUBLIC FIRE HYDRANT & 8" GATE VALVE

PUBLIC 234LF-8" C-900, FIRE LINE (4' MIN BURY)

PUBLIC 47LF-8" C-900 FIRE LINE (4' MIN BURY)

6" FIRE LINE (4' MIN BURY)

Ext. 2" SERVICE LINE

Ext. 2" WTR LINE (4' MIN. BURY)

1-1/2" SERVICE LINE

1-1/2" WM & RPBP

10' WATER EASEMENT

15' WATER EASEMENT

5' WATER EASEMENT

PROP TYPE IA, 5' INLET
TC485.20
TP484.70
12"FL479.70

INLET 1
INLET 2
INLET 3

PSAN INTERNAL DROP MH
RIM=479.50
(MATCH PVMT)
6"FL474.50
EX 6" FL468.30
(FIELD VERIFY)

SAN DOUBLE CLEANOUT @ PL
CAP=±1' ABOVE FINISH GRADE

6"FL475.95(N&W)

142'~6" SAN @1.10%

100'~6" SAN @1.10%

14'~6" SAN @1.10%

6" SAN @1.10%

Son. Sewer
Top Rim=481.13'
FL In=466.7'
FL Out=466.6'

Son. Sewer
Top Rim=480.84'
FL In=472.1'
FL Out=472.0'

GW

5/8" IRF

1/2" IRF
SEC
Lot 18, Block A

1/2" IRF
SWC
Lot 1, Block A

1/2" IRF Bears:
S 76°22'33" W
7.69'

1/2" IRF Bears:
N 77°57'23" E
8.33'

5/8" IRF BEARS:
N 66°36'45" W
3.28'

5/8" IRF Bears:
S 73°15'20" W
Asphalt

N 73°33'00" E 386.04'

N 09°30'06" W 134.76'

N 16°30'14" W 72.55'

N72°54'42"E 364.61'

356.45' S 73°33'02" W

S75°50'03"W 349.30'

S 13°15'00" E 223.20'

S14°09'57"E 197.47'

37.23'

30.00'

Hwy Mon Bears:
N 76°25'00" W
0.36'

15' Permanent Utility & Lift Station Esm't Vol. 2765, Pg. 106 D.R.R.C.T.

15' Waterline Esm't Vol. 197, Pg. 528 Vol. 197, Pg. 532 D.R.R.C.T.

15' Waterline Esm't Vol. 81, Pg. 89 D.R.R.C.T.

36" CMP

FEMA 100 YR. FLOOD PLAIN

ASPHALT PAVING

PROP

R240.0'

C/O

PP

GW

F/H

Ex. F/H

Ex. 2" WTR LINE

8" W.L.

12" W.L.

12" WTR LINE

Detention Pond
2' Freeboard = 487.0
100 YR = 485.0

Outflow Control Structure
T=485.20
FL=482.20
T=485.00
FL=482.00

485
480
475

Discharge Coefficient (Cd) = 0.61
Orifice Area (Bleeding Pipe) = 3.5 inch dia.
Centerline Head = 2.8'
Flow Rate = 0.54 cfs
Qcap 12" RCP = 4.38 cfs
V = 6.15 fps

0+00 0+50

12" RCP: 0+00 to 0+6

I"=4' V I"=10' H

Peak roof trash rack with access hatch
Rectangular storm sewer manhole
8" Concrete retaining wall w/ stone facade on both sides
Retaining wall EL. 487.00
100 YR WSE. 485.00
25 YR WSE. 484.52
10 YR WSE. 484.04
5 YR WSE. 483.56
BMP trash rack
24" concrete pilot channel
EL. 482.20
12" RCP
FG
EL. 482.20
3-1/2" Bleeding Pipe
Concrete fill
Isolation joint
8" Concrete retaining wall
Peak roof trash rack with access hatch

1 4'X4' OUTFALL CONTROL STRUCTURE
NOT TO SCALE

AS-BUILT
6-24-17

General Notes

Vicinity Map

Copyright

ALL INFORMATION, EITHER DRAWN, WRITTEN, OR IMPLIED APPEARING ON THIS DOCUMENT SHALL NOT BE DUPLICATED, DISCLOSED OR OTHERWISE USED WITHOUT WRITTEN PERMISSION OF THE AUTHOR.

THIS DOCUMENT IS AN INSTRUMENT OF SERVICE AND IS THE SOLE PROPERTY OF THE AUTHOR. FURTHERMORE, THE USE OF THIS DOCUMENT FOR ANY PURPOSE SHALL BE REVOKED, IF THE INTENT OF THE DESIGN OR THE CONSTRUCTION TECHNIQUES OR DETAILS SHOWN HEREIN ARE NOT ADHERED TO OR THE CONTRACTUAL AGREEMENT GOVERNING THEIR USE IS NOT STRICTLY ADHERED TO.

No.	Revision/Issue	Date
2	CONTRACT DRAWINGS	3/12/16
3	RETAINING WALL	8/12/16
4	FF=488.5	9/13/16

Dallas Design Build
6916 Echo Canyon
McKinney, Texas 75070
972-877-6630
sam@dallasdb.com

Project
CHILDRENS LIGHTHOUSE
3011 N. GOLIAD
ROCKWALL, TX

Description
UTILITY PLAN

Date 8/14/15
Drawn By sle
Scale 1"=20'

C-1

DESIGN TEAM:

OWNER:
EMILY AND AMAL FERNANDO
3465 FM 544
WYLIE, TEXAS 75034
214-794-2094
FRANCHISE INFORMATION:
CHILDRENS LIGHTHOUSE FRANCHISE INC.
101 S. JENNINGS SUITE #209
FORT WORTH, TEXAS 76104
DESIGN:
SAM ELLIS
DDB
6916 ECHO CANYON DR.
MCKINNEY, TEXAS 75070
972-877-6630
CIVIL ENGINEER:
RYAN KIM
TEXAS REGISTERED ENGINEERING FIRM # 8280
817-308-6243
JAY1494@HOTMAIL.COM

N

20 0 10 20 30

SCALE: 1"=20'