

SITE PLAN OF RAINBOW CHILD CARE CENTER

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VICINITY SKETCH
NO SCALE



GENERAL NOTES

- ONE WEEK PRIOR TO CONSTRUCTION CONTRACTOR SHALL NOTIFY:
 - CITY OF ANKENY BUILDING DIVISION
 - EIGHT RCCC 202 IA-ANKENY NORTH LLC & PAT AND SONS CONSOLIDATED LLC SOL
 - CIVIL ENGINEERING CONSULTANTS, INC.
 - "ONE CALL" UTILITY LOCATE SERVICE
 - CITY OF ANKENY PUBLIC WORKS
- ALL DIMENSIONS ARE TO BACK OF CURB, OUTSIDE OF BUILDING WALL, AND TO PROPERTY LINES.
- LOCATIONS AND DIMENSIONS SHOWN ON PLANS FOR EXISTING FACILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION WITHOUT UNCOVERING AND MEASURING. ENGINEER DOES NOT GUARANTEE ACCURACY OF INFORMATION OR THAT ALL EXISTING UNDERGROUND FACILITIES ARE SHOWN. IT IS RESPONSIBILITY OF CONTRACTOR TO CONTACT ALL PUBLIC AND/OR PRIVATE UTILITIES SERVING AREA TO DETERMINE PRESENT EXTENT AND EXACT LOCATION OF THEIR FACILITIES BEFORE BEGINNING WORK.
- CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT UTILITIES OR STRUCTURES AT SITE. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNERS OF UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR SHALL NOTIFY PROPER UTILITY IMMEDIATELY UPON BREAKING OR DAMAGE TO ANY UTILITY LINE OR APPURTENANCE, OR INTERRUPTION OF SERVICE. HE SHALL NOTIFY PROPER UTILITY INVOLVED, IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, CONTRACTOR SHALL NOTIFY ENGINEER SO THAT CONFLICT MAY BE RESOLVED.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2017 SUDAS & CITY OF ANKENY SUPPLEMENTAL SPECIFICATIONS.
- ALL DEBRIS SPILLED ON CITY/D.O.T. R.O.W. AND ADJOINING PROPERTY SHALL BE REMOVED BY OWNER/CONTRACTOR IN TIMELY FASHION.
- A SIGN PERMIT IS REQUIRED BEFORE SIGNS ARE INSTALLED.

GRADING NOTES

- STRIP A MINIMUM OF 6" OF TOPSOIL FROM ALL AREAS WHICH ARE TO BE FILLED OR CUT INCLUDING WASTE AND/OR BORROW AREAS. ADDITIONAL STRIPPING MAY BE REQUIRED TO ADEQUATELY REMOVE ORGANICS AND SOFT SEDIMENTS.
- ALL AREAS WHICH ARE TO RECEIVE EMBANKMENT SHALL HAVE TOP 12-INCHES DISCD AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL AREAS TO RECEIVE STRUCTURAL FILL SHALL BE BENCHED.
- ANY LOCALIZED AREAS WHICH CANNOT BE SATISFACTORILY COMPACTED OR WHICH SHOW EVIDENCE OF PUMPING ACTION SHALL BE UNDERCUT AND RECOMPACTED WITH ON-SITE FILL MATERIAL.
- ALL FILL SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95.0% OF STANDARD PROCTOR DENSITY WITH MOISTURE LIMITS SET FORTH IN SOILS REPORT.
- MAINTAIN ALL CUT AND FILL AREAS TO ACCOMMODATE SURFACE DRAINAGE.
- GRADING CONTRACTOR SHALL STOCKPILE TOP SOIL FOR SHOULDERING & SEED/SOD BEDS.
- FINISHED GRADE ON ALL NON-PAVED AREAS SHALL BE WITHIN 0.20 FOOT OF PLAN GRADE. PAVED AREAS SHALL BE WITHIN 0.10 FOOT.
- CONTRACTOR SHALL VERIFY LOCATION AND PROTECT ALL EXISTING UTILITIES AND STRUCTURES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY CONTRACTOR AT CONTRACTOR'S EXPENSE, TO SATISFACTION OF UTILITY OWNER.
- TOPSOIL SHALL BE SPREAD TO A MINIMUM THICKNESS OF 6-INCHES ON ALL LANDSCAPED AREAS.
- BACKFILL TO TOP OF ALL CURBS.
- ALL ELEVATIONS ARE TO GUTTER GRADE UNLESS NOTED OTHERWISE.
- EXISTING TILE LINES ENCOUNTERED SHALL BE RESTORED OR ROUTED TO A STORM SEWER WHETHER ACTIVE OR NOT.

SEEDING NOTES

- FERTILIZER (16-16-16) SHALL BE APPLIED TO AREA TO BE SEEDDED AT A RATE OF 650 LBS/ACRE.
- AREA TO BE SEEDDED SHALL BE SMOOTH AND ALL WASHED AND GULLIES FILLED TO MEET DESIRED CROSS SECTION. AREAS ACCESSIBLE TO MACHINERY SHALL BE CULTIVATED TO A DEPTH OF 3". AREAS INACCESSIBLE TO MACHINE SHALL BE CULTIVATED TO A DEPTH OF 1 1/2 INCHES.
- FERTILIZER SHALL BE INCORPORATED INTO SOIL TO A DEPTH OF 3" WITH A MECHANICAL ROCK PICKER OR A SPRING TOOTH CULTIVATOR.
- ON ALL AREAS ACCESSIBLE TO MACHINERY, A DROP-TYPE SEEDER ATTACHED TO A LANDSCAPE ROLLER SHALL BE USED TO SOW GRASS SEED, ON AREAS INACCESSIBLE TO MACHINERY A CYCLONE SEEDER WILL BE PERMITTED. NO OTHER HAND SEEDING METHOD IS ACCEPTABLE.
- ALL SEEDDED AREAS SHALL BE MULCHED IMMEDIATELY AFTER SEEDING BY APPLYING 2 TONS OF DRY MULCH PER ACRE.
- MULCH MAY CONSIST OF STRAW (OAT, WHEAT, BARLEY OR RYE), HAY, BROMEGRASS, TIMOTHY, ORCHARD GRASS, ALFALFA OR CLOVER SHALL NOT BE USED. ALL MATERIAL MUST BE FREE OF ALL NOXIOUS WEEDS.
- ALL SEEDDED AREAS SHALL BE WATERED ARTIFICIALLY A MINIMUM OF TWICE A DAY FOR FIRST WEEK AFTER INSTALLATION, AND ONCE A DAY DURING THE SECOND AND THIRD WEEK AFTER INSTALLATION.

SODDING NOTES

- SOD SHALL BE A FOUR WAY BLEND WHICH SHALL CONTAIN 25% OF EACH OF FOLLOWING:
 - KENTUCKY BLUE GRASS AND ONE OTHER BLUE GRASS, CREEPING RED FESCUE, AND TALL FESCUE. ABOVE CONTENT MAY VARY UP TO 5%.
- SOD SHALL BE CUT AT A UNIFORM THICKNESS OF APPROXIMATELY 1" PLUS OR MINUS 1/4".
- BEFORE STRIPPING, SOD SHALL BE MOVED TO A UNIFORM HEIGHT OF 2 1/2".
- SOD SHALL BE REASONABLY FREE OF DISEASE AND SOIL-BORNE INSECTS.
- SOD SHALL BE FREE OF OBJECTIONABLE GRASSY AND BROADLEAF WEEDS.
- SOD SHALL BE HARVESTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY NOT ADVERSELY AFFECT THE SURVIVAL OF SOD.
- SOD SHALL BE CUT, DELIVERED AND INSTALLED IN A TIME PERIOD OF 36 HOURS.
- SOD BED SHALL BE IN A FIRM BUT UNCOMPACTED CONDITION WITH A RELATIVELY FINE TEXTURE AND FREE OF FOOTPRINTS DEEPER THAN 1/2" AT TIME OF SODDING.
- SOD SHALL BE LAID WITH STAGGERED JOINTS AT RIGHT ANGLES TO DIRECTION OF SLOPE. IN DITCH BOTTOMS, SOD SHALL BE LAID AT RIGHT ANGLES TO DIRECTION OF THE FLOW OF WATER.
- SOD SHALL BE STAKED ON ALL SLOPES THAT ARE 4:1 OR STEEPER.
- IN ABSENCE OF ADEQUATE RAINFALL, SOD SHALL BE WATERED BY CONTRACTOR AFTER INSTALLATION TO A DEPTH OF AT LEAST 4". SUBSEQUENT WATERINGS SHALL MAINTAIN MOISTURE TO A DEPTH OF 4 INCHES.
- SOD SHALL NOT BE MOVED UNTIL IT IS FIRMLY ROOTED. NO MORE THAN 1/3 OF GRASS LEAF SHALL BE REMOVED.

UTILITY NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2017 VERSION OF THE STATE WIDE URBAN DESIGN STANDARDS AND SPECIFICATIONS (SUDAS).
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. DAMAGE TO UTILITIES OR STRUCTURES SHALL BE REPAIRED BY CONTRACTOR TO SATISFACTION OF UTILITY OWNER.
- RECONNECT ANY FIELD TILE THAT ARE INTERCEPTED DURING UTILITY CONSTRUCTION.
- CONTRACTOR SHALL PROTECT AND BACK FILL AROUND UNDERGROUND UTILITIES. BACK FILL SHALL BE IN 6-INCH LAYERS, COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL WATER MAIN SERVICE WORK SHALL BE CONSTRUCTED ACCORDING TO SUDAS VERSION 2017.
- ALL BUILDING DOWNSPOUTS SHALL BE CONNECTED TO NEW STORM SEWERS.
- SANITARY SEWER PROVIDED BY CITY OF ANKENY.
- WHERE SEWERS CROSS OVER OR LESS THAN 18-INCHES BELOW A WATER MAIN, LOCATE ONE FULL LENGTH OF SEWER PIPE OF WATER MAIN MATERIAL OR RCP WITH FLEXIBLE O-RING GASKET JOINTS SO BOTH JOINTS ARE AS FAR AS POSSIBLE FROM WATER MAIN.
- MANHOLE ADJUSTMENTS TO EXISTING MANHOLES SHALL INCLUDE NOT MORE THAN 18-INCH OF ADJUSTING RINGS. LARGER ADJUSTMENTS SHALL REQUIRE A NEW BARREL SECTION.
- SANITARY MANHOLES SHALL HAVE 2 PIECE CASTINGS AND 1 & 1 INSERTS.

UTILITY CONTACTS

ANKENY PUBLIC WORKS PH: 515-465-6484
KEN FLAGLER KFLAGER@ANKENYIOWA.GOV
MIDAMERICAN ELEC & GAS PH: 515-281-2260
THERESA MCGUIRE TMMCGUIRE@MIDAMERICAN.COM
MEDIACOM COMM. CORP. PH: 515-246-2252
PAUL MAY PMAY@MEDIACOMCC.COM
CENTURYLINK LOCAL NETWORK PH: 515-263-1505
RAY MONTROYA RAY.MONTROYA@CENTURYLINK.COM

OWNER/APPLICANT

EIGHT RCCC 202 IA-ANKENY NORTH LLC
& PAT AND SONS CONSOLIDATED LLC SOL
1742 CROOKS ROAD
TROY, MICHIGAN 48064
CONTACT: AMY LABADIE (248-514-9274)

PROJECT MANAGER

BART TURK
CIVIL ENGINEERING CONSULTANTS, INC.
2400 86th STREET, UNIT 12,
DES MOINES, IOWA 50322
CONTACT PH: 515-276-4884, EXT. 222
EMAIL: TURK@CECLAC.COM

AREAS

BUILDING = 11,942 SF
PAVING = 22,001 SF
OPEN SPACE = 26,183 SF
TOTAL = 60,125 SF

IMPERVIOUS = 31,223 SF
ERU: 10

PARKING REQUIREMENTS

PARKING REQUIRED: 1 SPACE PER 300 SF GFA AND NUMBER OF EMPLOYEES ON A SHIFT
11,942 / 300 = 40
10 EMPLOYEES
40 + 10 = 50

PARKING PROVIDED

46 SPACES (INCL 2 HC SPACES)
WE ASK FOR AN ADMINISTRATIVE VARIANCE OF 41 SPACES

CERTIFICATIONS

	I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA. BY: _____ (DATE: _____) BART A. TURK, IOWA REG. NO. 279 MY LICENSE RENEWAL DATE IS: JUNE 30, 2019 PAGES OR SHEETS COVERED BY THIS SEAL: _____ SHEETS 1-7
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LEGEND

EXISTING / PROPOSED	
— ST 18"	STORM SEWER & SIZE
— SAN 18"	SANITARY SEWER & SIZE
— W 18"	WATER MAIN & SIZE
○	MANHOLE
△	STORM INTAKE
▽	FIRE HYDRANT
△	VALVE
△	F.E.S.
—	EXISTING CONTOURS
—	PROPOSED CONTOURS
—	SILT FENCE
●	SOIL BORING LOCATION
□	TRANSFORMER PAD
⊙	STREET LIGHT POLE

LEGAL DESCRIPTION

LOT 2, EXCEPT THE NORTH 51.02 FEET, IN BRIARWOOD PLAT 21, AN OFFICIAL PLAT, NOW INCLUDED IN AND FORMING A PART OF THE CITY OF ANKENY, POLK COUNTY, IOWA.

ZONING

C-2 (GENERAL RETAIL AND HIGHWAY ORIENTED COMMERCIAL DISTRICT)

SETBACKS

FRONT = 35 FEET
REAR = 40 FEET
SIDE = NONE

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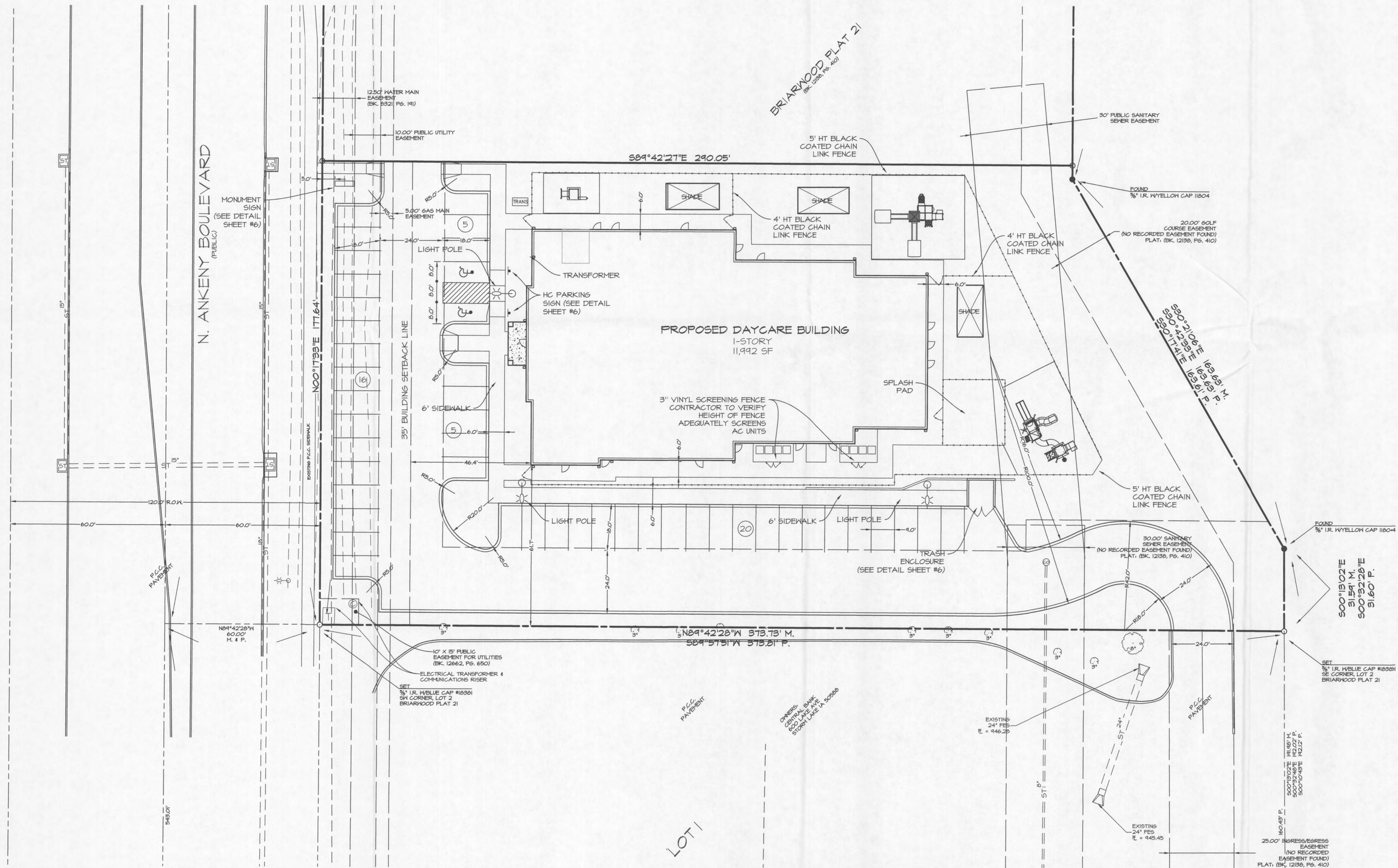
RAINBOW CHILD CARE CENTER

ANKENY, IOWA

COVER

SHEET
OF 7

A1852



LIGHTING INFORMATION
 3 EA. D5X11 LED 60C 700 T3M
 20' POLES

OUTLOT 'Y'
BRIARWOOD PLAT 8
 OWNERS:
 BRIARWOOD SOIL CORP. OF ANKENY, LLC
 10000 N. RAINBOW BLVD.
 ANKENY, IA 50021

SCALE: 1"=20'



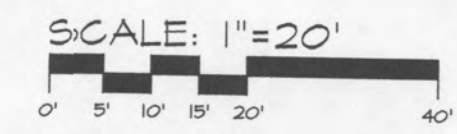
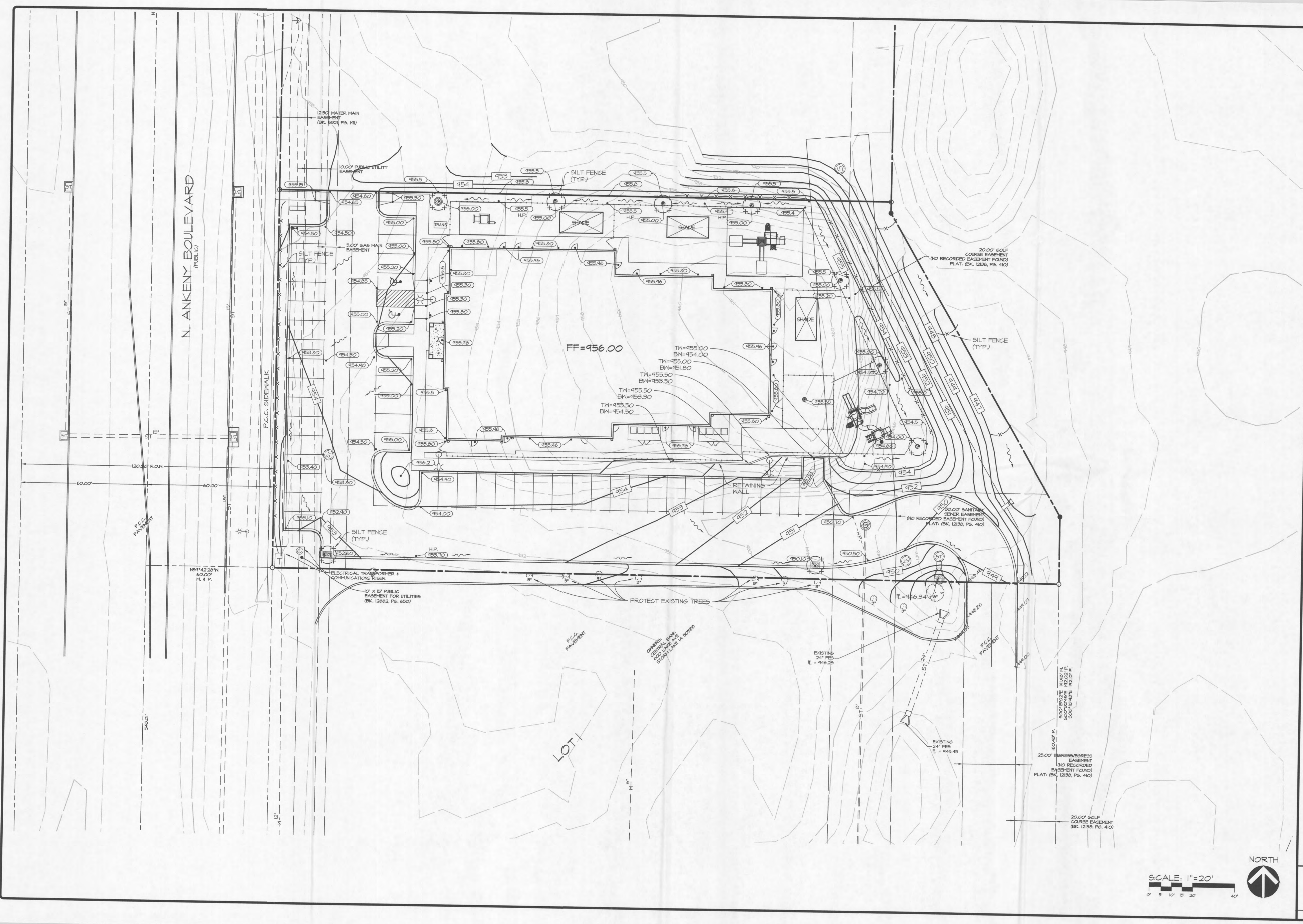
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		1	
		2	
		3	
		4	
		5	
		6	

RAINBOW CHILD CARE CENTER
 ANKENY, IOWA
DIMENSION PLAN

SHEET
2
 OF 7
 A1052

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RAINBOW CHILD CARE CENTER
ANKENY, IOWA

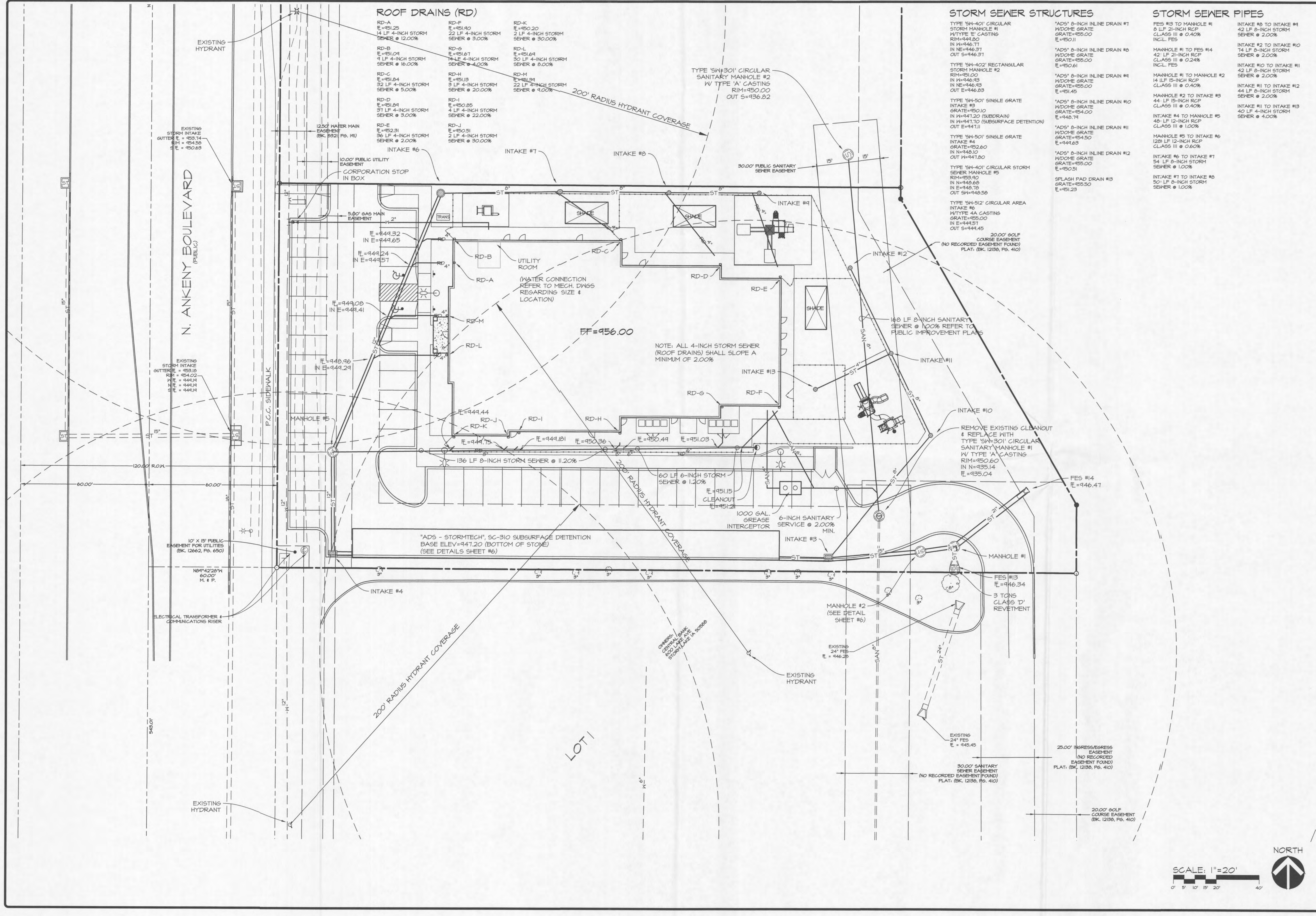
GRADING PLAN

SHEET
3
OF 7
A1852

DATE	10-30-2017	REVISIONS	COMMENTS
		1	
		2	
		3	
		4	
DATE OF SURVEY:	02-04-2017	5	CEC
DESIGNED BY:	CEC	6	CEC
DRAWN BY:	CEC		



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ROOF DRAINS (RD)

- RD-A
E=951.25
14 LF 4-INCH STORM
SEWER @ 12.00%
- RD-B
E=951.09
4 LF 4-INCH STORM
SEWER @ 16.00%
- RD-C
E=951.84
32 LF 4-INCH STORM
SEWER @ 5.00%
- RD-D
E=951.84
37 LF 4-INCH STORM
SEWER @ 3.00%
- RD-E
E=952.31
36 LF 4-INCH STORM
SEWER @ 2.00%
- RD-F
E=951.40
22 LF 4-INCH STORM
SEWER @ 3.00%
- RD-G
E=951.67
14 LF 4-INCH STORM
SEWER @ 4.00%
- RD-H
E=951.83
4 LF 4-INCH STORM
SEWER @ 22.00%
- RD-I
E=950.85
4 LF 4-INCH STORM
SEWER @ 22.00%
- RD-J
E=950.51
2 LF 4-INCH STORM
SEWER @ 30.00%
- RD-K
E=950.20
2 LF 4-INCH STORM
SEWER @ 30.00%
- RD-L
E=951.64
30 LF 4-INCH STORM
SEWER @ 8.00%
- RD-M
E=951.34
22 LF 4-INCH STORM
SEWER @ 9.00%

STORM SEWER STRUCTURES

- TYPE 'SW-401' CIRCULAR
STORM MANHOLE #1
W/TYPE 'E' CASTING
RIM=944.80
IN N=946.77
OUT S=946.37
- TYPE 'SW-402' RECTANGULAR
STORM MANHOLE #2
RIM=951.00
IN N=946.43
OUT S=946.83
- TYPE 'SW-501' SINGLE GRATE
INTAKE #3
GRATE=950.10
IN N=947.20 (SUBDRAIN)
OUT E=947.11
- TYPE 'SW-501' SINGLE GRATE
INTAKE #4
GRATE=952.60
IN N=948.10
OUT N=947.80
- TYPE 'SW-401' CIRCULAR STORM
SEWER MANHOLE #5
RIM=953.30
IN N=948.60
OUT S=948.50
- TYPE 'SW-512' CIRCULAR AREA
INTAKE #6
W/TYPE 'A' CASTING
GRATE=955.00
IN E=944.51
OUT S=944.45
- *ADS' 8-INCH INLINE DRAIN #7
WDOME GRATE
GRATE=955.00
E=950.11
- *ADS' 8-INCH INLINE DRAIN #8
WDOME GRATE
GRATE=955.00
E=950.61
- *ADS' 8-INCH INLINE DRAIN #9
WDOME GRATE
GRATE=955.00
E=951.45
- *ADS' 8-INCH INLINE DRAIN #10
WDOME GRATE
GRATE=954.00
E=948.74
- *ADS' 8-INCH INLINE DRAIN #11
WDOME GRATE
GRATE=954.50
E=944.63
- *ADS' 8-INCH INLINE DRAIN #12
WDOME GRATE
GRATE=955.00
E=950.51
- SPLASH PAD DRAIN #13
GRATE=955.50
E=951.23

STORM SEWER PIPES

- FES #13 TO MANHOLE #1
0 LF 21-INCH RCP
CLASS III @ 0.40%
INCL. FES
- INTAKE #2 TO INTAKE #10
42 LF 8-INCH STORM
SEWER @ 2.00%
- INTAKE #2 TO INTAKE #11
42 LF 8-INCH STORM
SEWER @ 2.00%
- INTAKE #2 TO INTAKE #12
44 LF 8-INCH STORM
SEWER @ 2.00%
- INTAKE #3 TO INTAKE #13
40 LF 4-INCH STORM
SEWER @ 4.00%
- INTAKE #4 TO INTAKE #5
40 LF 12-INCH RCP
CLASS III @ 1.00%
- MANHOLE #5 TO INTAKE #6
128 LF 12-INCH RCP
CLASS III @ 0.60%
- INTAKE #6 TO INTAKE #7
54 LF 8-INCH STORM
SEWER @ 1.00%
- INTAKE #7 TO INTAKE #8
50 LF 8-INCH STORM
SEWER @ 1.00%

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CEC

RAINBOW CHILD CARE CENTER
ANKENY, IOWA
UTILITY PLAN

REVISIONS	DATE	COMMENTS
1	10-30-2017	
2		
3		
4	02-04-2017	
5	CEC	
6	CEC	

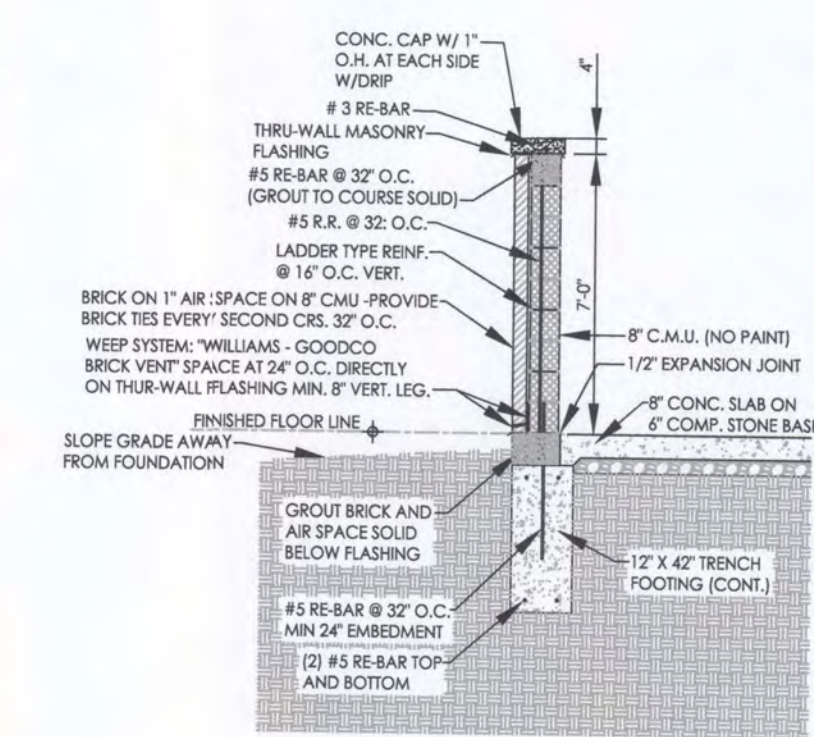
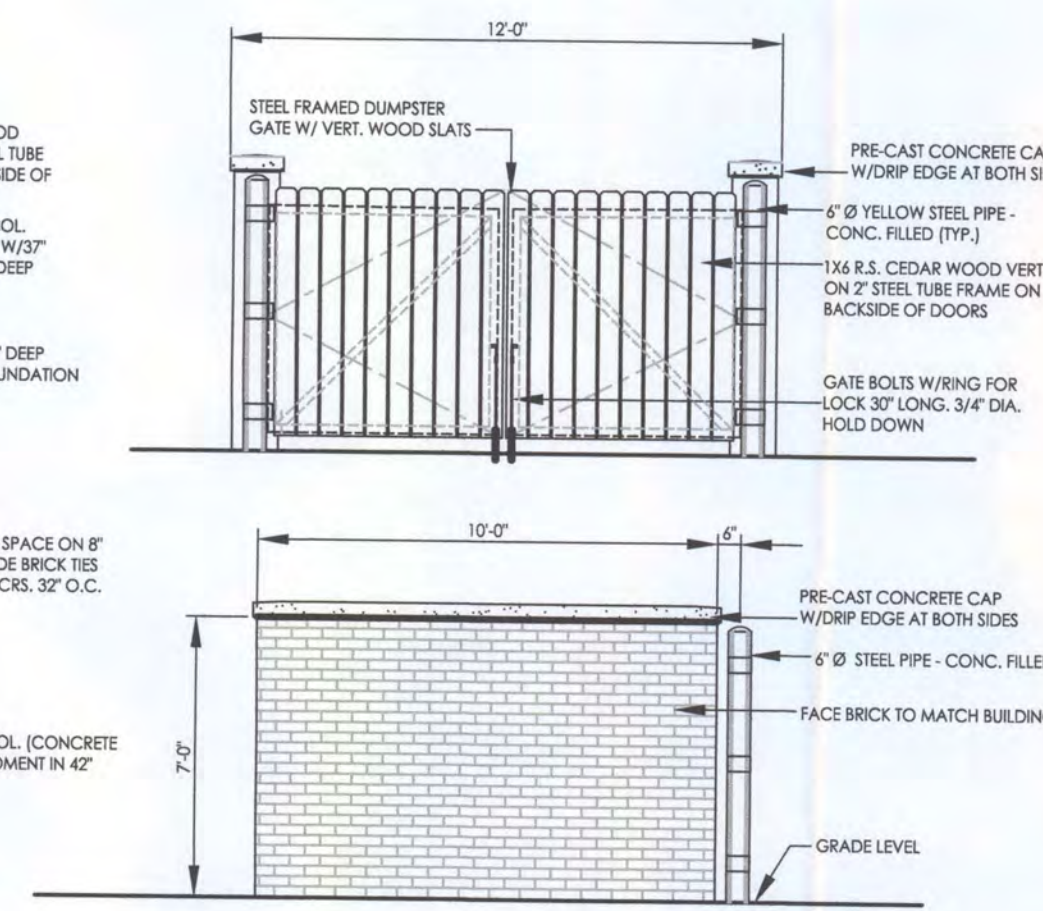
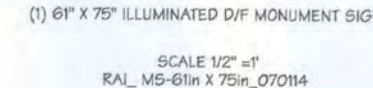
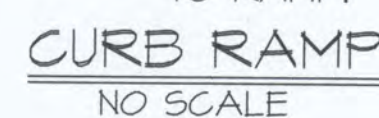
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DESIGNED BY: CEC
DRAWN BY: CEC

DATE: 10-30-2017

4

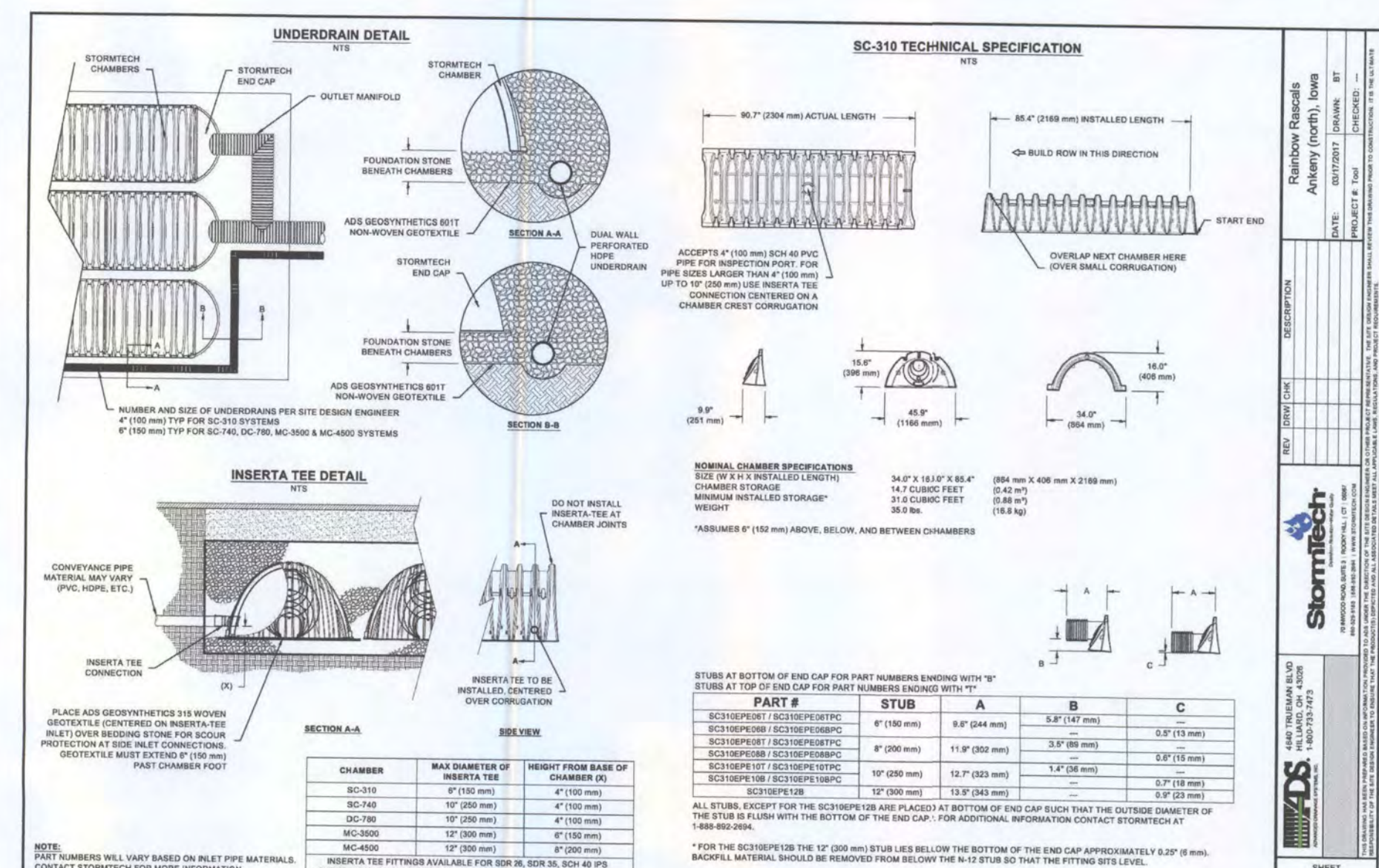
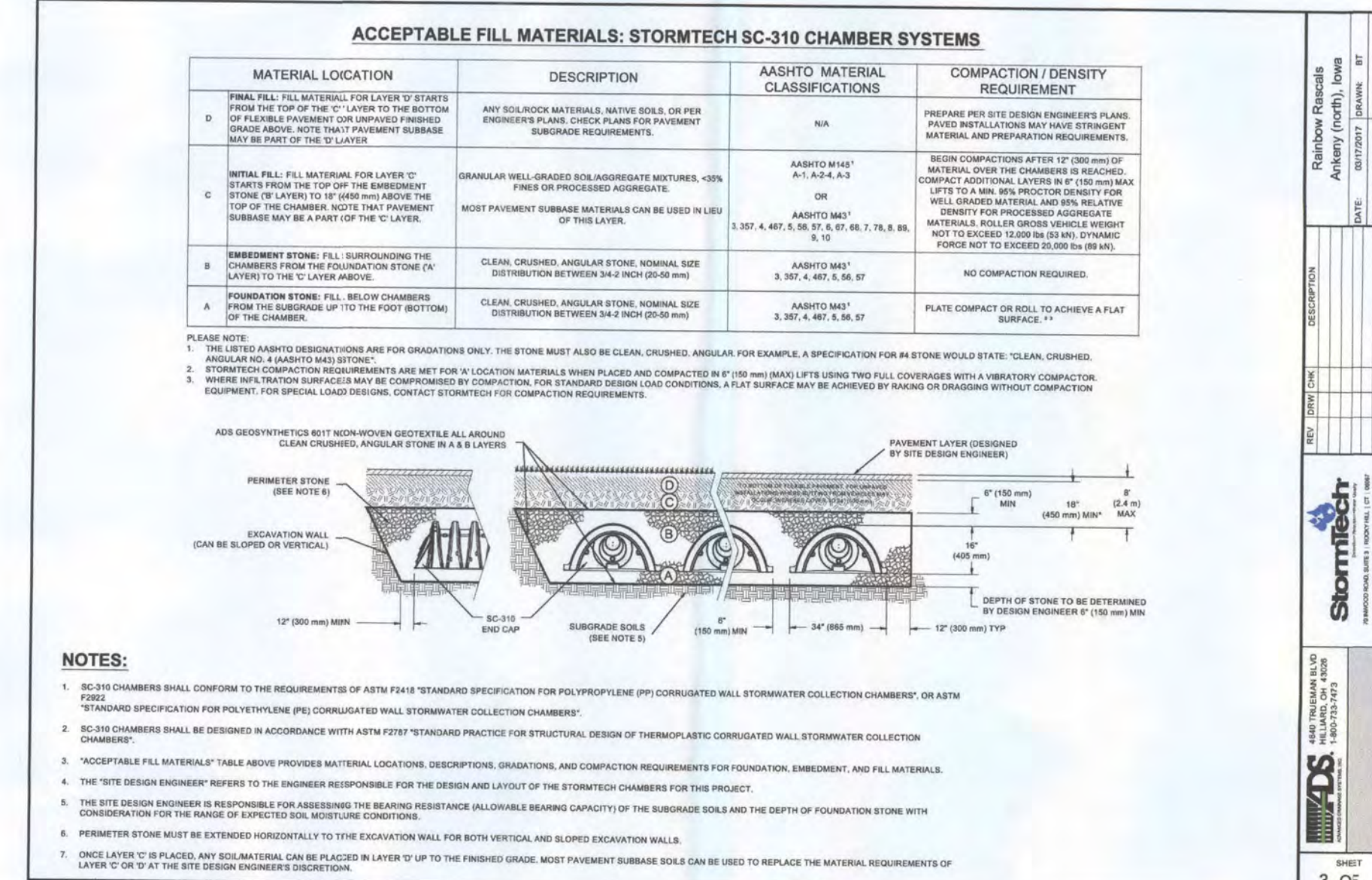
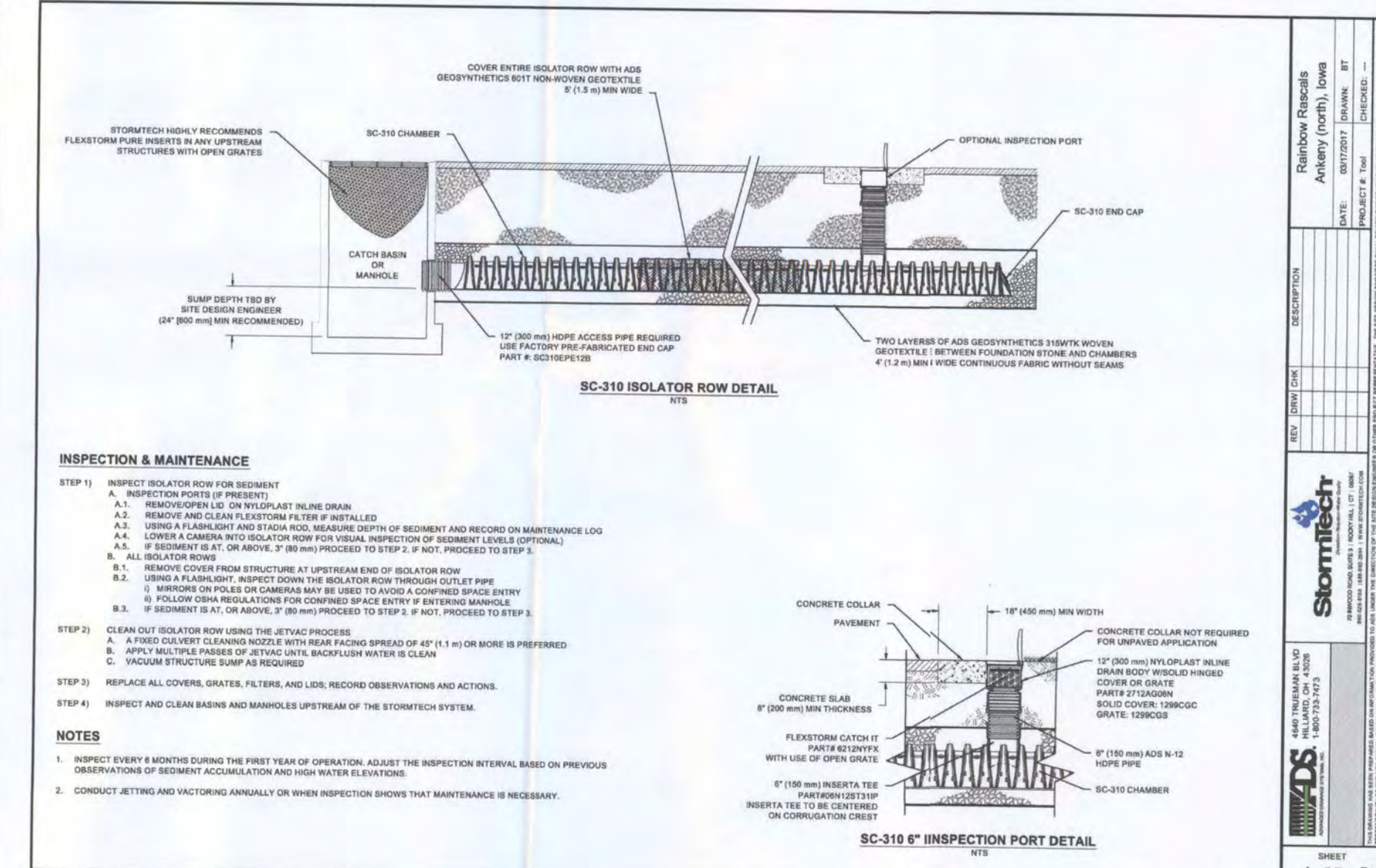
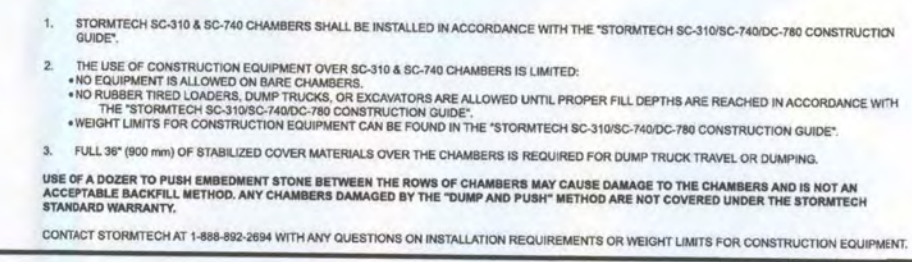
OF 7

AI052



GENERAL NOTES:

1. ALL EXTERIOR MATERIALS TO MATCH BUILDING
IF THERE IS NO BRICK TO MATCH - MATCH MASONRY
2. ADHERE TO ALL LOCAL ORDINANCES AND DESIGN
REQUIREMENTS. NOTIFY ARCHITECT OF ANY
DISCREPANCIES.

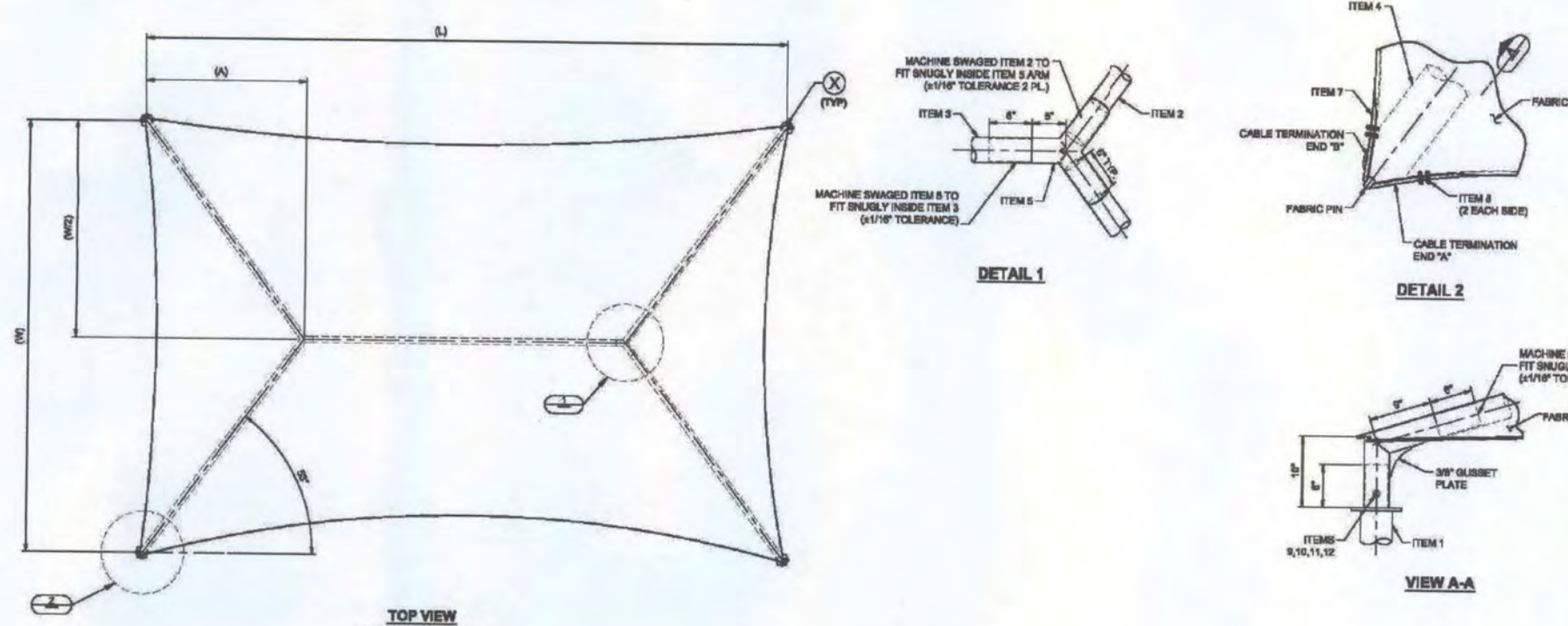


TODDLER PLAY STRUCTURE

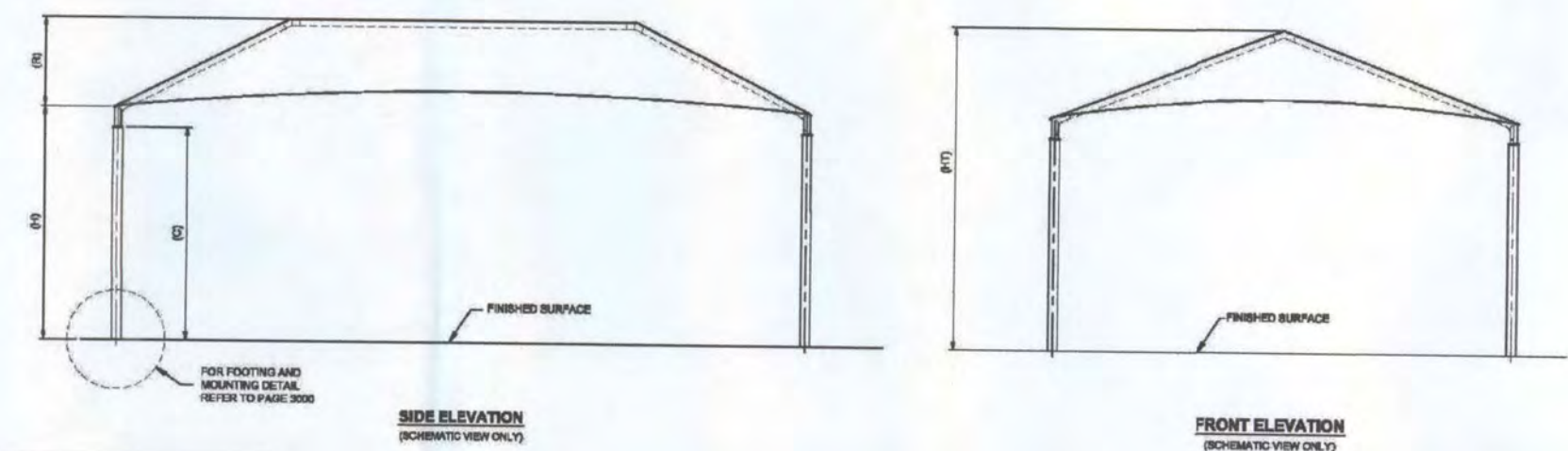
VARIOUS ROCK CLIMB STRUCTURE

BLACK VINYL COATED FENCE & GATE DETAIL

SCALE: 1" = 5'

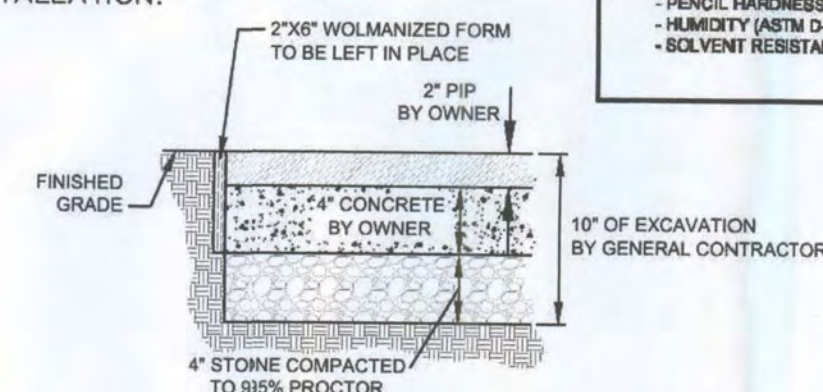


(L)	(W)	(A)	(H)	(C)	(R)	(HT)
20'	10'		7' - 3"			



PLAYGROUND STRUCTURE INSTALLATION INFORMATION

1. THE EQUIPMENT SHOWN HERE ARIE TO BE LOCATED AT THE FURTHEST "CORNER FENCE" LOCATIONS FROM THE BUILDING.
2. THE GENERAL CONTRACTOR IS TO UNLOAD AND STORE PLAYGROUND EQUIPMENT ONSITE AND INFORM THE OWNER WHEN THESE ARE TO BE INSTALLED. IT SHOULD BE CONSIDERED THAT THERE IS A 7 WEEK LEAD TIME FROM ORDER TO DELIVERY.
3. GENERAL CONTRACTOR TO ENSURE THAT THE EXTERIOR DIMENSIONS OF THE HODDLER AND ROCK CLIMB STRUCTURES ARE UNDERCUT THE SURROUNDING FINISHED GRADE BY A DEPTH OF 10" AND COMPACTED.
4. THE OWNER WILL THEN INSTALL THE REQUIRED POLES FOR THE STRUCTURES AS REQUIRED.
5. THE OWNER WILL THEN SUPPLY AND INSTALL 4" OF COMPACTED STONE & 4" OF CONCRETE. THE GENERAL CONTRACTOR WILL COORDINATE WITH THE OWNER AND FENCES AND SOD SHALL BE INSTALLED AFTER THE PLACEMENT OF THE COMPACTED STONE.
6. 2" P.I.P. (FALL ZONE SURFACE) SHALL THEN BE INSTALLED BY THE OWNER.
7. ALL STRUCTURES SHOULD BE AT FINISHED GRADE AFTER INSTALLATION.



PLAY STRUCTURES

SCALE: 1" = 5'

**TYPICAL CROSS SECTION UNDER
ROCK CLIMB & TODDLER
STRUCTURES**

N.T.S.

GENERAL NOTES

DESIGN LOADS

BUILDING CODE	TBD
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	90 MPH (3-Sec. Gust)
	EXPOSURE C

STRUCTURAL STEEL

- 1- ALL GALVANIZED STEEL STRUCTURE PRODUCTS ARE MANUFACTURED PER ASTM A-600, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS.
- 2- ALL STRUCTURAL STEEL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS.
- 3- ALL PLATE SHALL COMPLY WITH ASTM A572 GRADE 50.
- 4- ALL STEEL TURNING SHALL BE TURNED COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TURNING SHALL BE TURNED COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIURE TUBE & CONDUIT.
- 5- STRUCTURAL STEEL SHALL BE DETAIL FABRICATED AND ERRECTED IN ACCORDANCE WITH AISC SPECIFICATIONS.
- 6- ALL SHIP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D 1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN. UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS, ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE WORKED METAL. WELDS SHALL BE MADE USING E70XX AND W6XX.
- 7- SHOP CONNECTIONS SHALL BE WELDED UNLESS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS. ALL WELDS SHALL BE MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.
- 8- ALL STAINLESS STEEL BOLTS SHALL COMPLY WITH ASTM F-88, ALLOY GROUP 1 OR 2. ALL NUTS SHALL COMPLY WITH ASTM F-88.
- 9- ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK) THIS COAT IS TO BE APPLIED TO ALL EXPOSED SURFACES OF STEEL. THIS COAT SHALL BE MANUFACTURED BY SHERRIN WILSON WEAVER RESISTANT POWDER COATING BASED ON POLYESTERS. THIS COAT SHALL BE APPLIED BY SHERRIN WILSON WEAVER (TDS) TO ACHIEVE OPTIMUM ADHESION. IT IS RECOMMENDED THAT THE PROPER TREATMENT AND PREPARATION OF THE SURFACE OF THE STEEL BE FOLLOWED. THE FOLLOWING ARE THE RECOMMENDED SPECIFICATIONS: PENCIL HARDNESS (ASTM F 3383).
- HUMIDITY ATASTM D-2240.
- SOLVENT RESISTANCE (POT METHOD)- 90 DISSOLVER SOL. 50FT/2NS.

NOTE:

- THE AUTOCAD FILE OF THIS SHEET CONTAINS BLOCKS WHICH MAY BE USED ON PLAN VIEW (AT A ONE TO ONE SCALE) FOR THESE ITEMS (EXCEPT SPLASH PAD).
- FURTHER, THE SPLASH PAD AREA IS EITHER FENCED IN ALONG THE PERIMETER OF THE SPLASH PAD OR IN A GENERAL FENCED AREA THEREBY RESTRICTING ACCESS TO THIS AREA AS NEEDED.

SPLASH PAD INSTALLATION INFORMATION

1. GENERAL CONTRACTOR TO UNDERCUT A 25'-6" x 25'-6" SPLASH PAD AREA WITH A FINISHED FORMED AREA OF 25' x 25' BUTTED TO SIDEWALK, OR AS DRAWINGS STATE, 10" BELOW FINISHED GRADE. CONCRETE FORMS SHOULD BE SET FROM TOP OF SIDEWALK EDGE, DO NOT PITCH.
2. PROVIDE A 1" WATER MAIN FROM IRRIGATION LINE PASS METER, USING SCHEDULE 80 PVC JUST OUTSIDE THE SPLASH PAD AREA IN SOD WITH 1" SHUTOFF VALVE.
3. SPLASH PAD UNDERGROUND WATER PIPING SYSTEM WILL BE INSTALLED USING SCHEDULE 80 PVC, INCLUDING THE MANIFOLD AND ALL VALVES.
4. PROVIDE 4" ROUND DRAIN TIED INTO STORM DRAIN (OR AS DIRECTED BY THE CITY) GOING AROUND BUILDING FOR THE GUTTER TIE-INS AS SHOWN ON YOUR DRAWINGS. STUB UP IN CENTER OF PAD 2' FROM GRADE WITH A REMOVABLE CAP. 90 DEGREE ELBOW SHOULD BE ABOUT 2' BELOW 10" UNDERCUT OF PROPER PIT TO STORM.
5. NOTE: CONCRETE FORMS NEED TO BE INSTALLED TO FINAL GRADE BEFORE SPLASH PAD UNDERGROUND GOES IN WHEN REQUIRED GRADE IS REACHED.
6. GENERAL CONTRACTOR SHOULD MAINTAIN AREA UNTIL SPLASH PAD CONCRETE IS POURED.
7. ONCE ALL OF THE ABOVE ITEMS HAVE BEEN COMPLETED AND GRADES VERIFIED BY 814 REP. AND GC REP., GENERAL CONTRACTOR SHALL SCHEDULE THE RCCC INSTALLER(S) TO COME INSTALL THE EMBEDS BEFORE SIDEWALKS ARE POURED. PLEASE PLAN 8 WEEKS LEAD-TIME FOR THIS SOW.
8. GENERAL CONTRACTOR TO FLUSH STORM DRAIN AFTER ALL CONNECTIONS HAVE BEEN MADE.
9. ONCE UNDERGROUND PLUMBING AND SPLASH PAD EMBEDS ARE INSTALLED BY RCCC INSTALLER, GENERAL CONTRACTOR TO PROVIDE 6" COMPACTED STONE BASE WITH 4" OF LIGHTLY BROOMED FINISHED CONCRETE. THE PAVEMENT SHOULD HAVE A UNIFORM 2% FALL TO THE DRAIN AND BE AT THE SAME OUTSIDE ELEVATION AS THE SIDEWALK.

LIST OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL / DWG	SMT PART No.
1	4	COLUMN	---	---
2	4	EXTENSION	---	---
3	1	RIDGE	---	---
4	4	RAFTER	---	---
5	2	CROSSPIECE	---	---
6	1	FABRIC TOP	---	---
7	1	STEEL CABLE	---	---
8	4	CABLE CLAMP	---	---
9	4	Ø1/2" x 4 1/2" HEX HEAD BOLT	---	---
10	4	1/2" HEX NUT	---	---
11	8	Ø1/2" FLAT WASHER	---	---
12	8	Ø1/2" FLAT WASHER	---	---
13	4	Ø1/2" SPLIT LOCK WASHER	---	---

SHADE STRUCTURE INSTALLATION INFORMATION

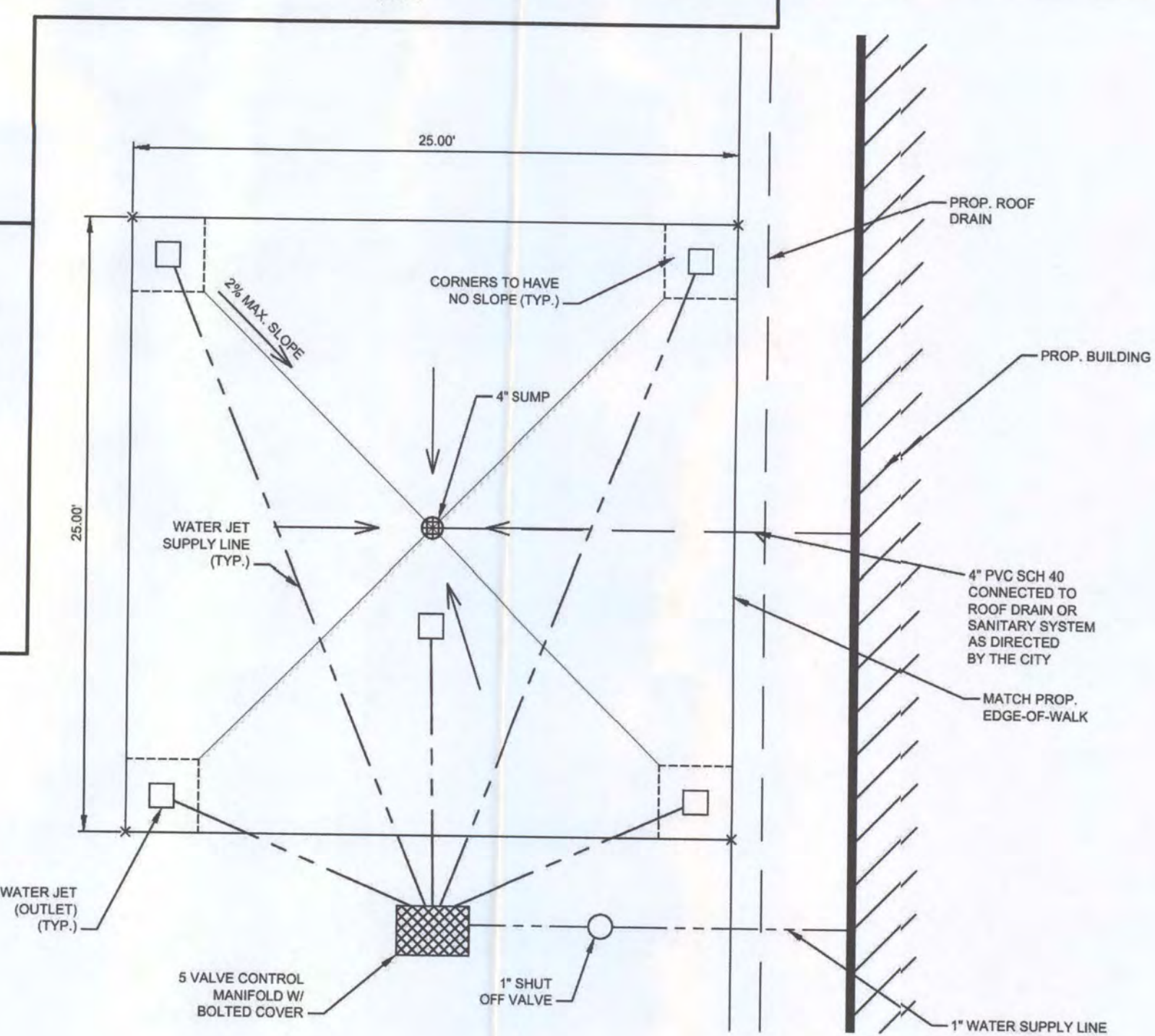
1. UNDER EACH CORNER POST SHALL BE PLACED A 2'X2' 42" DEEP COINCRETE FOUNDATION.
2. FOUNDATIONS SHALL BE PLACED BY OWNER

SHADIE STRUCTURE MAINTENANCE INFORMATION

CLOTH COVER SHOULD BE REMOVED IN THE EVENT OF SNOW ACCUMULATION OR WINDS IN EXCESS OF 90 MPH.

10' X 20' SHADE STRUCTURE

N.T.S.



SPLASH PAD DETAILS

SCALE: 1" = 5'