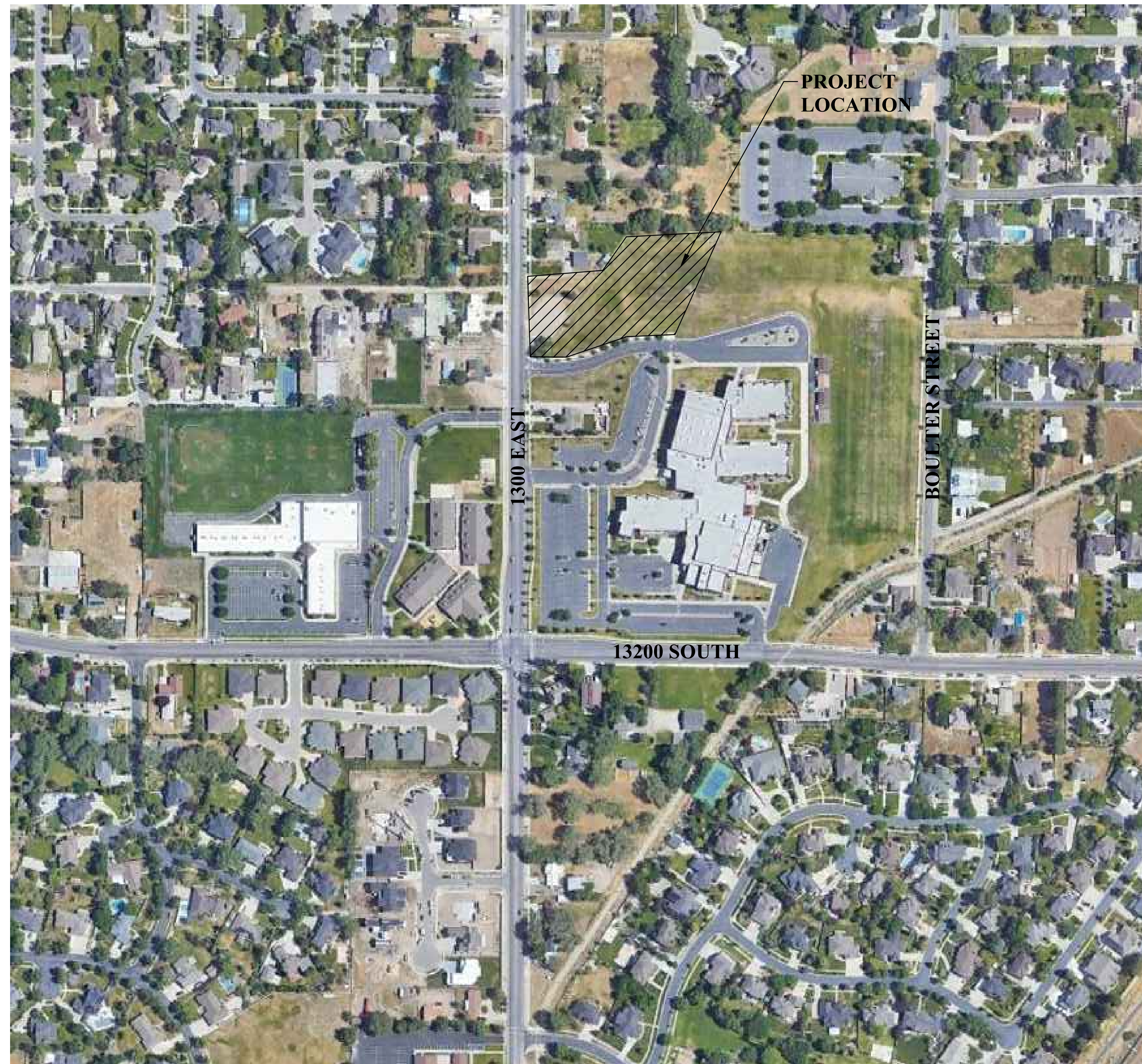
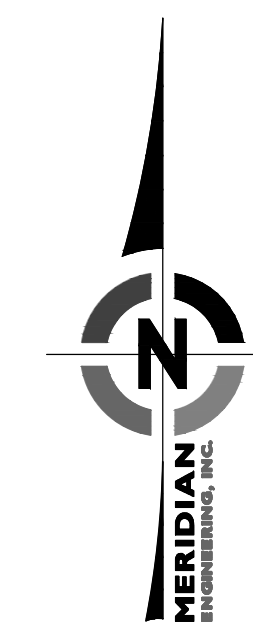


DRAPER PARK MIDDLE SCHOOL RETENTION BASIN

13133 S 1300 E
DRAPER, UT 84020
CONSTRUCTION DOCUMENTS: MAY 2024



VICINITY MAP
NOT TO SCALE



INDEX OF SHEETS

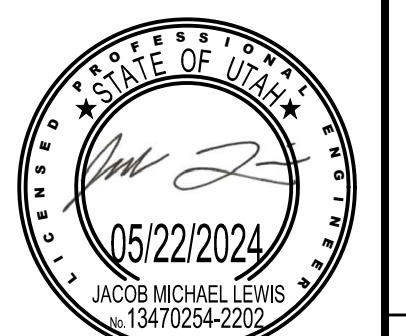
- G100 - COVER SHEET
- C100 - GENERAL NOTES AND DETAILS
- C101 - ADS RETENTION BASIN DETAILS
- C200 - EXISTING TOPO
- CG400 - GRADING PLAN
- CG450 - HYDROLOGY PLAN

OWNER:

CANYONS SCHOOL DISTRICT
9100 SOUTH 500 WEST
PHONE: 801-826-5157
CONTACT: LUKE BUTTERFIELD

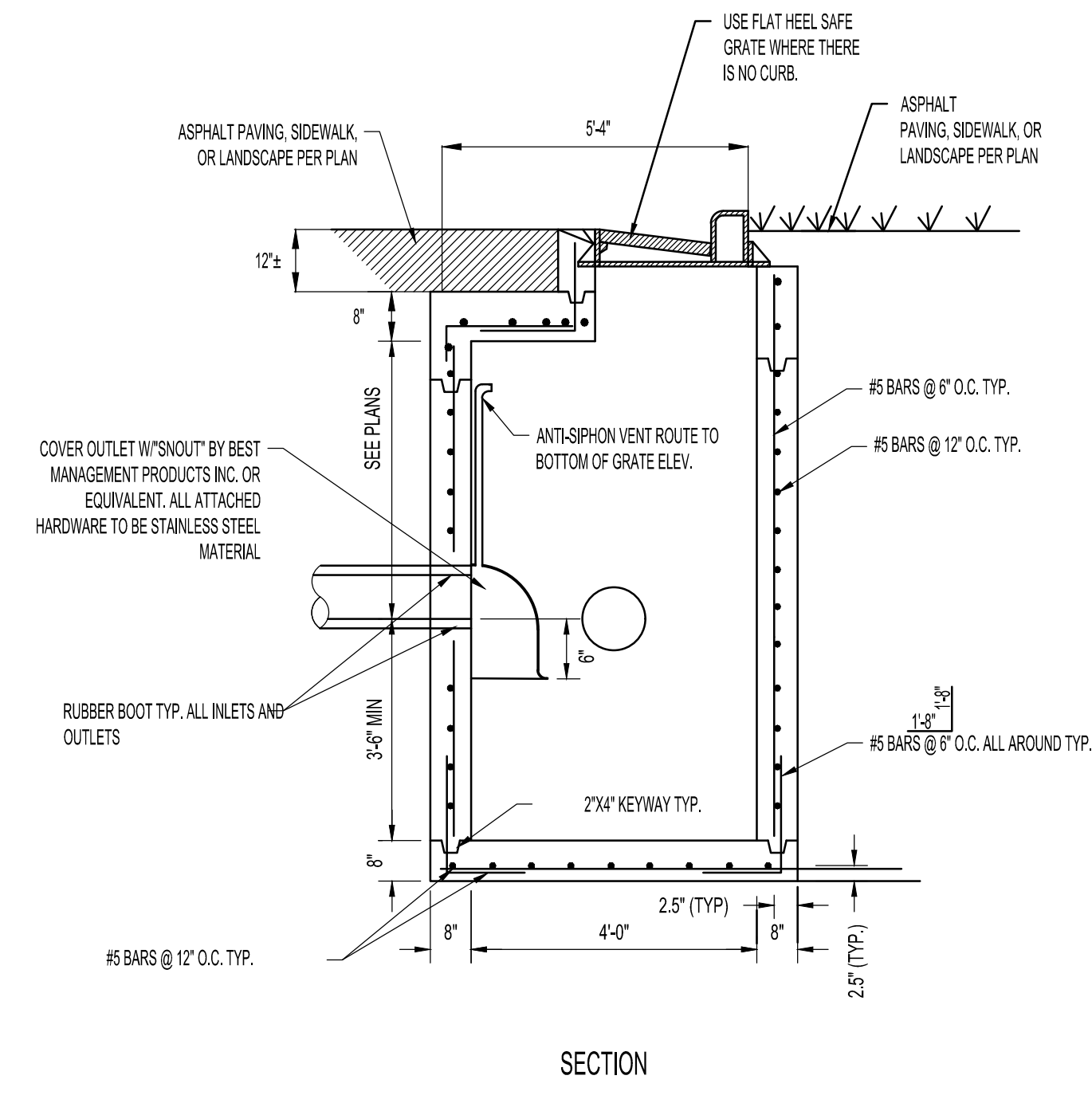
CIVIL ENGINEER:

MERIDIAN ENGINEERING INC.
1628 WEST 11010 SOUTH, SUITE 102
SOUTH JORDAN, UTAH 84095
PHONE: 801-569-1315
FAX: 801-569-1319
CONTACT: JACOB LEWIS
E-MAIL: jlewis@meiamerica.com



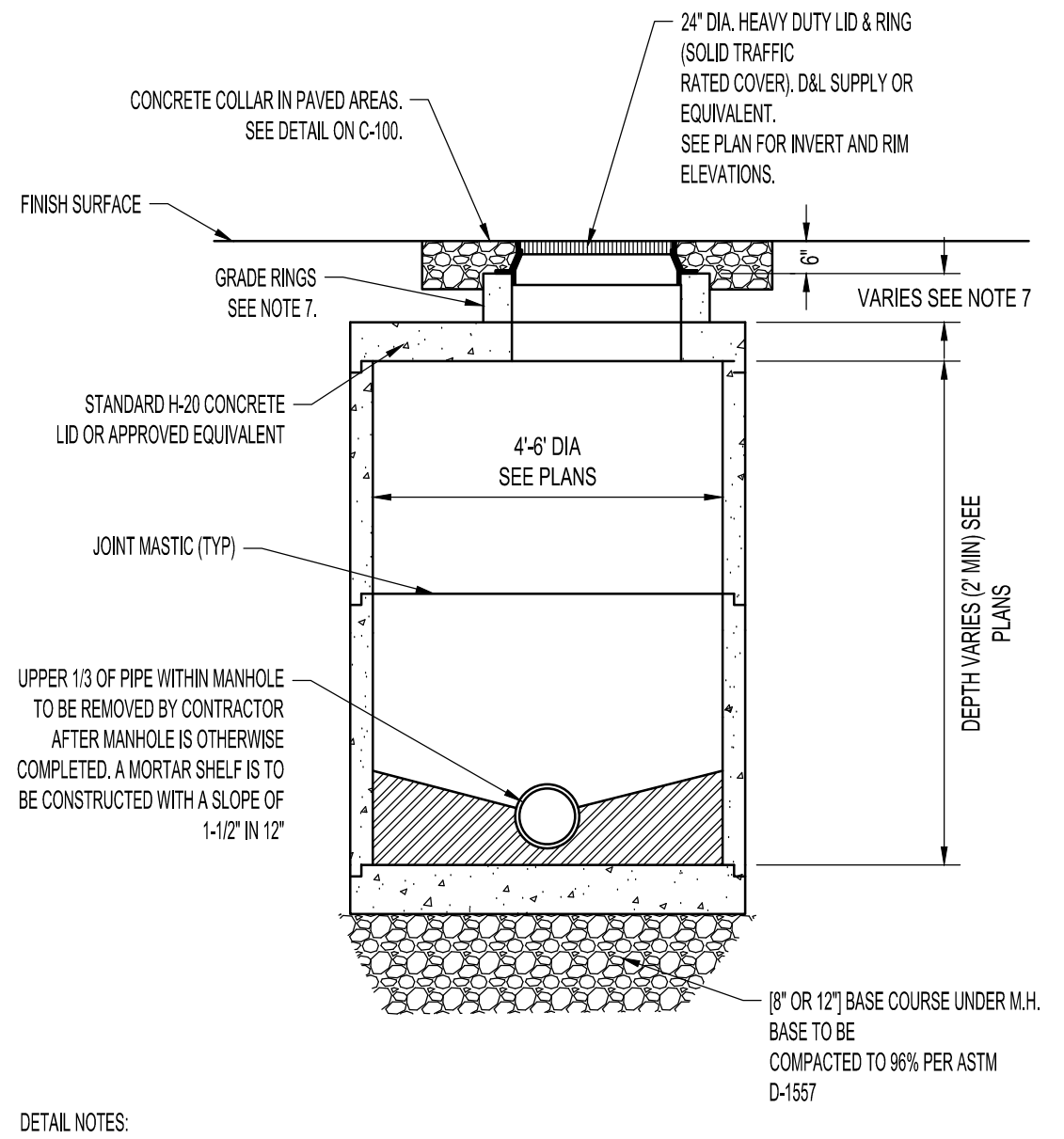
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MERIDIAN ENGINEERING, INC. 1628 WEST 11010 SOUTH, SUITE 102 SOUTH JORDAN, UTAH 84095 PHONE: (801) 569-1315 FAX: (801) 569-1319		
DRAPER PARK MIDDLE SCHOOL 13133 SOUTH 1300 EAST DRAPER, UT 84020		
DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS COVER SHEET		CONSTRUCTION DOCUMENTS
COMP. FILE		PROJECT NO. 24032
SHEET NO. G100		SHEET NO. G100

- GENERAL NOTES
- ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE SHALL BE APPROVED BY THE OWNER. PRIOR TO SAID APPROVAL, ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE CITY ENGINEER.
 - THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING GAS, TELEPHONE, POWER, OR WATER LINES WHICH MUST BE RELOCATED OR LOWERED FOR NEW GRAVITY LINES WILL BE COMPLETED BY THE CONTRACTOR TO THE UTILITY COMPANY SPECIFICATIONS.
 - TRACER TAPE SHALL BE PLACED ABOVE ALL SEWER, PIG ROOF DRAIN LINES, WATER AND SECONDARY WATER LINES PER CITY AND DISTRICT STANDARD SPECIFICATIONS. TRACER TAPE SHALL BE INSTALLED OVER THE WATER LINES.
 - ALL EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. AS INDICATED ON THE C200 SHEET. CONTRACTOR SHALL NOTIFY BLUE STAKES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL POT-HOLE AND FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION WHERE NECESSARY TO INSTALL NEW UTILITIES OR NEW IMPROVEMENTS PER CITY STANDARDS IN EXISTING ROADWAYS.
 - CONTRACTOR SHALL PROVIDE CITY INSPECTOR WITH CONSTRUCTION SCHEDULE AFTER SAID SCHEDULE HAS BEEN APPROVED BY OWNER.
 - CONTRACTOR SHALL COORDINATE CONSTRUCTION DEMOLITION AND INSTALLATION OF ELECTRICAL AND COMMUNICATION SERVICES WITH THE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES. CONTRACTOR TO PROVIDE ELECTRICAL LINE OR COMMUNICATION TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH POWER AND COMMUNICATION COMPANY. ALL DEMOLITION OF EXISTING AND PROPOSED NEW SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
 - CONTRACTOR TO KEEP A SET OF NEAT PLANS ON WHICH ALL CHANGES HAVE BEEN CLEARLY SHOWN. THIS SET OF REDLINES SHALL BE TURNED INTO THE ARCHITECT.
 - CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY WORK.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE CURRENT REQUIREMENTS AND DEVELOPMENT STANDARDS OF THE CITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND PLANS ETC.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL, CLEANING STREET AND OTHER SWPP REGULATIONS.
 - NO CHANGE IN DESIGN LOCATIONS OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
 - CONTRACTOR SHALL NOT ALLOW ANY GROUND WATER, SURFACE WATER, ANIMALS, OR DEBRIS TO ENTER NEW PIPING DURING CONSTRUCTION.
 - CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVER HAVE BEEN REACHED AND WORK HAS BEEN ACCEPTED BY OWNER.
 - CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF, OR DAMAGE TO, EXISTING AND NEW UTILITIES AND FACILITIES, INCLUDING WORK DONE WITHIN THE WARRANTY PERIOD.
 - ALL ONSITE PAVEMENT SECTIONS, GRADING, EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PREPARED FOR THIS PROJECT. STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, BASE COURSE AND ASPHALTIC CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS. ALL EARTHWORK AND PAVING IN CITY R.O.W. SHALL MEET CITY SPECS.
 - SEE SHEET C200 FOR SURVEY CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING THAT MAY BE NEEDED TO COMPLETE THE JOB.
 - THE USE OF MOTOR OILS AND OTHER PETROLEUM-BASED OR TOXIC LIQUIDS, FOR DUST SUPPRESSION, IS ABSOLUTELY PROHIBITED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
 - CONTACT FOR UTILITY COORDINATION INCLUDE:
SEWER - SOUTH VALLEY SEWER IMPROVEMENT DISTRICT - (801) 571-1166
WATER - WATER PRO INC. - (801) 571-2232
STORM - DRAPER CITY STORM WATER DIVISION - (801) 578-6888
IRRIGATION - WATER PRO INC. - (801) 571-2232
GAS - DOMINION ENERGY - 1-800-322-5517
POWER - ROCKY MOUNTAIN POWER - 1-800-469-3981
 - THERE IS NO LANDSCAPE DEMOLITION PLAN OR REPAIR PLAN IN THIS PACKAGE. CONTRACTOR IS EXPECTED TO REMOVE AND REPLACE EXISTING LANDSCAPE AND SPRINKLER SYSTEM WITHIN THE PROJECT LIMIT LINE OF THE AFFECTED AREAS. COORDINATE WITH OWNER. A MINIMUM OF 4" TOPSOIL IS REQUIRED UNDER ALL NEW SOD. THE NEW SPRINKLER SYSTEM FOR THE AFFECTED AREAS TO MATCH THE EXISTING SYSTEM (SPRINKLER HEADS, VALVING AND PIPE SIZE).



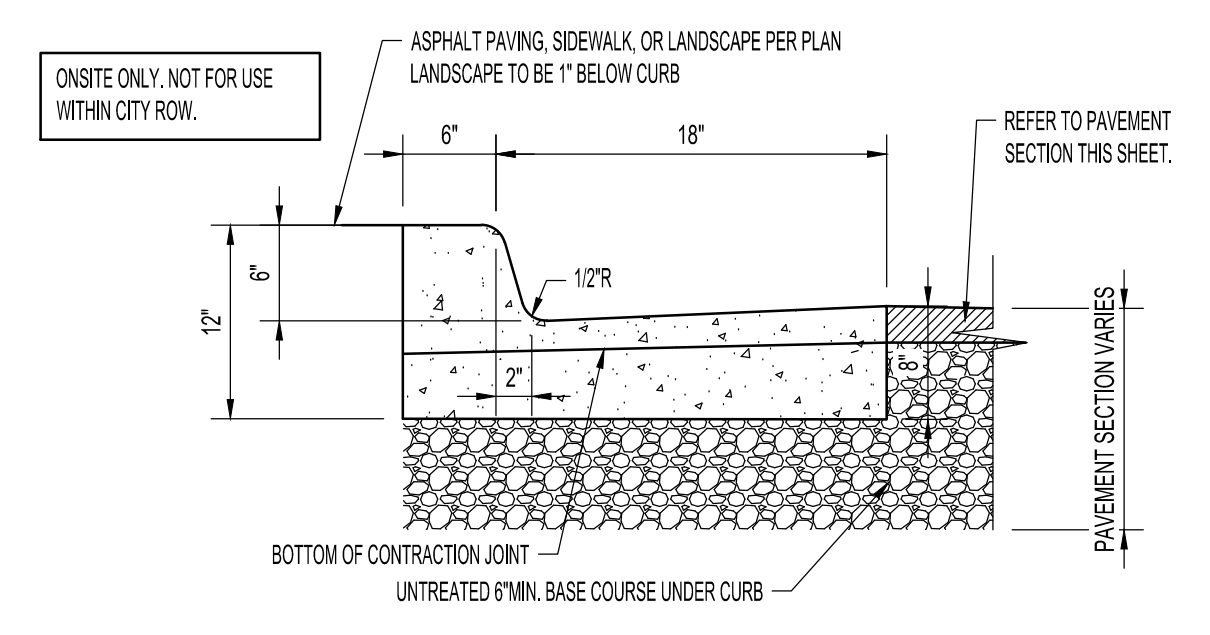
- PRETREATMENT INLET NOTES:
- PRECAST BOXES DESIGNED FOR HS-20 TRAFFIC LOAD. PRECAST BOX DIMENSIONS MAY VARY. SUBMIT DIMENSIONS AND DESIGN FOR APPROVAL.
 - CONCRETE 4000 PSI 28-DAY COMPRESSIVE STRENGTH.
 - STEEL GRADE 60 DEFORMED BARS.
 - ALL SCREENS, STRIPS, SIGS AND MISCELLANEOUS HARDWARE CONNECTING THE STAINLESS STEEL SCREEN SHALL BE CONSTRUCTED OF STAINLESS STEEL.
 - CUT PIPING SMOOTH WITH BOX WALL. PIPING JOINT WITH BOX WALL AND ALL LEDGES SHALL BE GROUTED SMOOTH WITH EPOXY GROUT.

PRETREATMENT CURB INLET BOX (PRE CIB) **A**



- DETAIL NOTES:
- ALL SECTIONS & BASE SHALL BE PRECAST TO CONFORM TO ASTM C478. BASES MAY ALSO BE CAST IN PLACE.
 - ANY APPROVED EQUIVALENTS REQUIRE ENGINEER'S WRITTEN APPROVAL.
 - GROUT AROUND ALL PIPE OPENINGS WITH 2:1 SAND/CEMENT MORTAR.
 - PLACE FLEXIBLE GASKET TYPE SEALANT IN ALL MANHOLE JOINTS.
 - INVERT COVERS SHALL BE PLACED OVER THE TOP OF PIPE IN ALL MANHOLES DURING CONSTRUCTION. 8" EXTERIOR PLYWOOD SHALL BE USED.
 - INSTALL RUBBER WATER STOP ON ALL PLASTIC PIPE WHEN CONNECTING PLASTIC PIPES TO MANHOLES. WATER STOP SHALL BE HELD IN PLACE WITH A STAINLESS STEEL BAND.
 - PROVIDE GRADE RINGS AS NECESSARY TO PROVIDE FULL PAVEMENT DEPTH (INCLUDING BASE) OVER TOP OF CONCRETE LID IN PAVED AREAS AND A MIN OF 12" OF SOIL OR CONCRETE LID IN LANDSCAPE AREAS. DO NOT EXCEED 10" OF GRADE RINGS.

SHALLOW STORM MANHOLE **B**



- NOTES:
- CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINMENT).
 - PLACE EXPANSION/CONTRACTION JOINTS AT ALL 8' AND 8' POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
 - REMOVE NON-ENGINEERED FILL BELOW CURB AND 2" MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 12000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
 - ALL COLD JOINTS ON SITE NEED TO BE DOWNED.
 - WHEN PAVEMENT IS PLACED ON 3 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MPAH R5200 OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED.

CURB & GUTTER **C**

LINE LEGEND

PROPOSED	EXISTING	PROPERTY LINE
(Symbol)	(Symbol)	LIMITS OF PROJECT
(Symbol)	(Symbol)	MATCHLINE
(Symbol)	(Symbol)	CENTERLINE
(Symbol)	(Symbol)	SAW CUT LINE
(Symbol)	(Symbol)	PROPOSED MAJOR CONTOUR
(Symbol)	(Symbol)	PROPOSED MINOR CONTOUR
(Symbol)	(Symbol)	SANITARY SEWER PIPELINE
(Symbol)	(Symbol)	STORM DRAIN PIPELINE
(Symbol)	(Symbol)	LAND DRAIN
(Symbol)	(Symbol)	TELEPHONE
(Symbol)	(Symbol)	WATER PIPELINE
(Symbol)	(Symbol)	SECONDARY WATER PIPELINE
(Symbol)	(Symbol)	GAS PIPELINE
(Symbol)	(Symbol)	BURIED POWER
(Symbol)	(Symbol)	CITY
(Symbol)	(Symbol)	FIBER OPTIC
(Symbol)	(Symbol)	RIDGE LINE
(Symbol)	(Symbol)	FLOW LINE
(Symbol)	(Symbol)	FENCE
(Symbol)	(Symbol)	SALT FENCE
(Symbol)	(Symbol)	TEMPORARY SHORING
(Symbol)	(Symbol)	REMOVAL
(Symbol)	(Symbol)	ABANDON

SYMBOL LEGEND

(Symbol)	YARD HYDRANT	(Symbol)	40 STORM DRAIN (SANITARY SEWER MANHOLE)
(Symbol)	FIRE HYDRANT	(Symbol)	50 STORM DRAIN (SANITARY SEWER MANHOLE)
(Symbol)	WATER VALVE	(Symbol)	ELECTRIC METER
(Symbol)	WATER METER	(Symbol)	GAS METER
(Symbol)	POST INDICATOR VALVE	(Symbol)	LIGHT POLE
(Symbol)	FIRE DEPARTMENT CONNECTION	(Symbol)	DOUBLE LIGHT POLE
(Symbol)	WATER CAP	(Symbol)	CURB & GUTTER (CY)
(Symbol)	WATER TEE	(Symbol)	CURB WALL (CY)
(Symbol)	WATER CROSS	(Symbol)	SPOT ELEVATION
(Symbol)	WATER WYE	(Symbol)	HANDICAPPED PARKING
(Symbol)	WATER REDUCER	(Symbol)	STOP BAR
(Symbol)	WATER BENDS	(Symbol)	PAVEMENT MARKING
(Symbol)	AREA DRAIN (SIZE PER PLAN)	(Symbol)	POWER POLE
(Symbol)	CATCH BASIN (SIZE PER PLAN)	(Symbol)	SIGN
(Symbol)	PRE-TREATMENT CURB INLET BOX (PRE-TREAT CIB)	(Symbol)	CLEANOUT BOX
(Symbol)	CURB INLET BOX (CIB)	(Symbol)	THREE-CHAMBER PRE-TREATMENT BOX
(Symbol)	COMBO BOX (COMBO)	(Symbol)	OVERFLOW BOX
(Symbol)	STORM DRAIN FLARED END SECTION	(Symbol)	DECORATIVE SITE LIGHTING
(Symbol)	STORM DRAIN / SANITARY SEWER CLEANOUT		

DATE	22-MAY-2024	NO.		BY	
CHECKED	NI.	NO.		REVISIONS	
SURVEYED	JL	NO.			
DRAWN	JL	NO.			

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MERIDIAN ENGINEERING, INC.

MERIDIAN ENGINEERING, INC.
13133 SOUTH 1300 EAST
DRAPER, UT 84020
PHONE (801) 588-5159 FAX (801) 588-9119

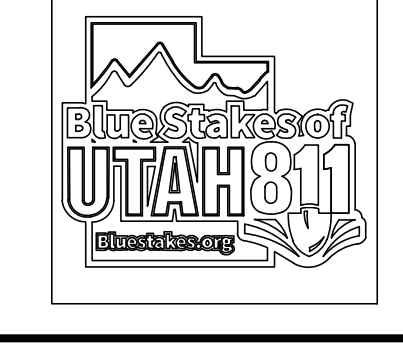
DRAPER PARK MIDDLE SCHOOL
13133 SOUTH 1300 EAST
DRAPER, UT 84020

DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS
GENERAL NOTES AND DETAILS
CONSTRUCTION DOCUMENTS

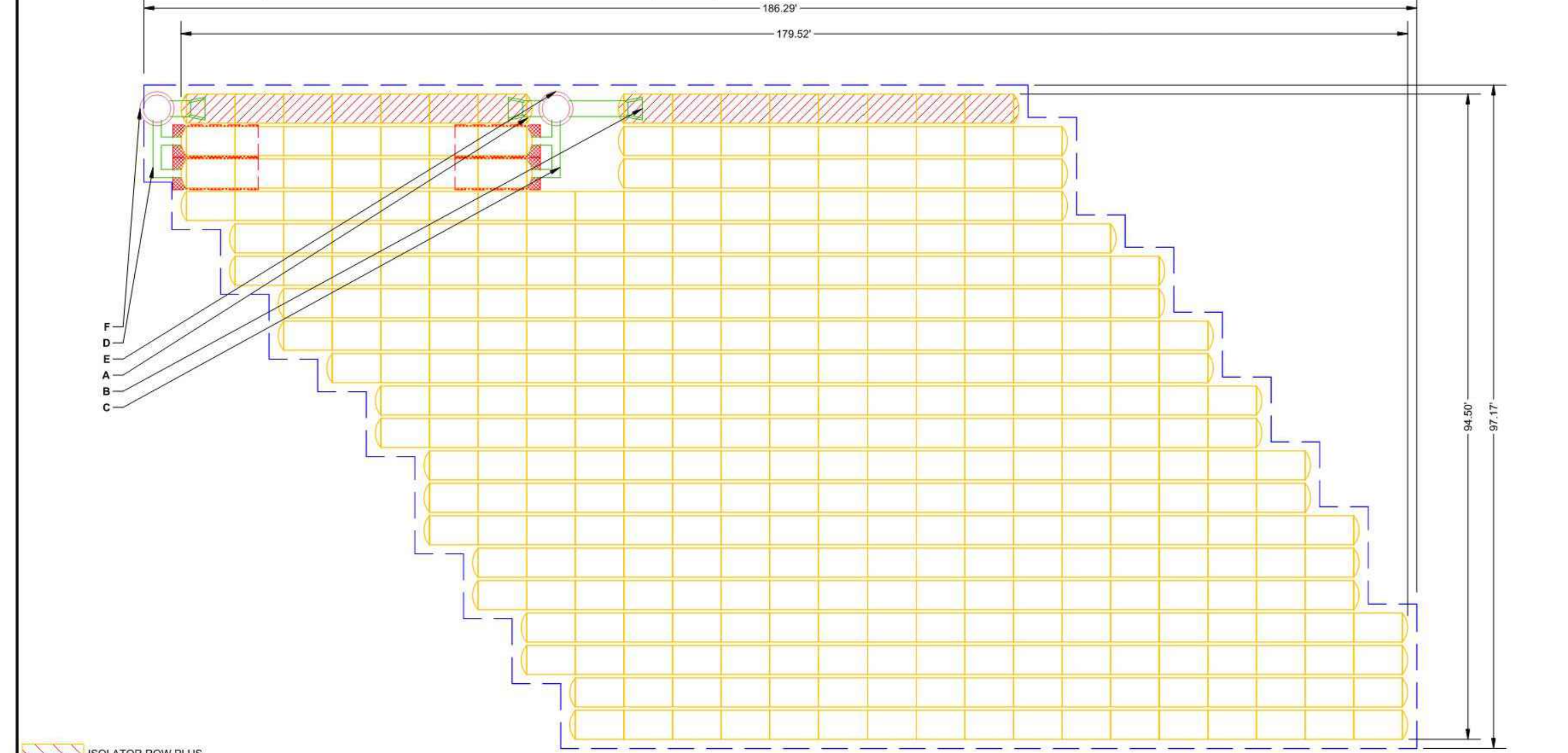
COMP. FILE

PROJECT NO. 24032

SHEET NO. C100

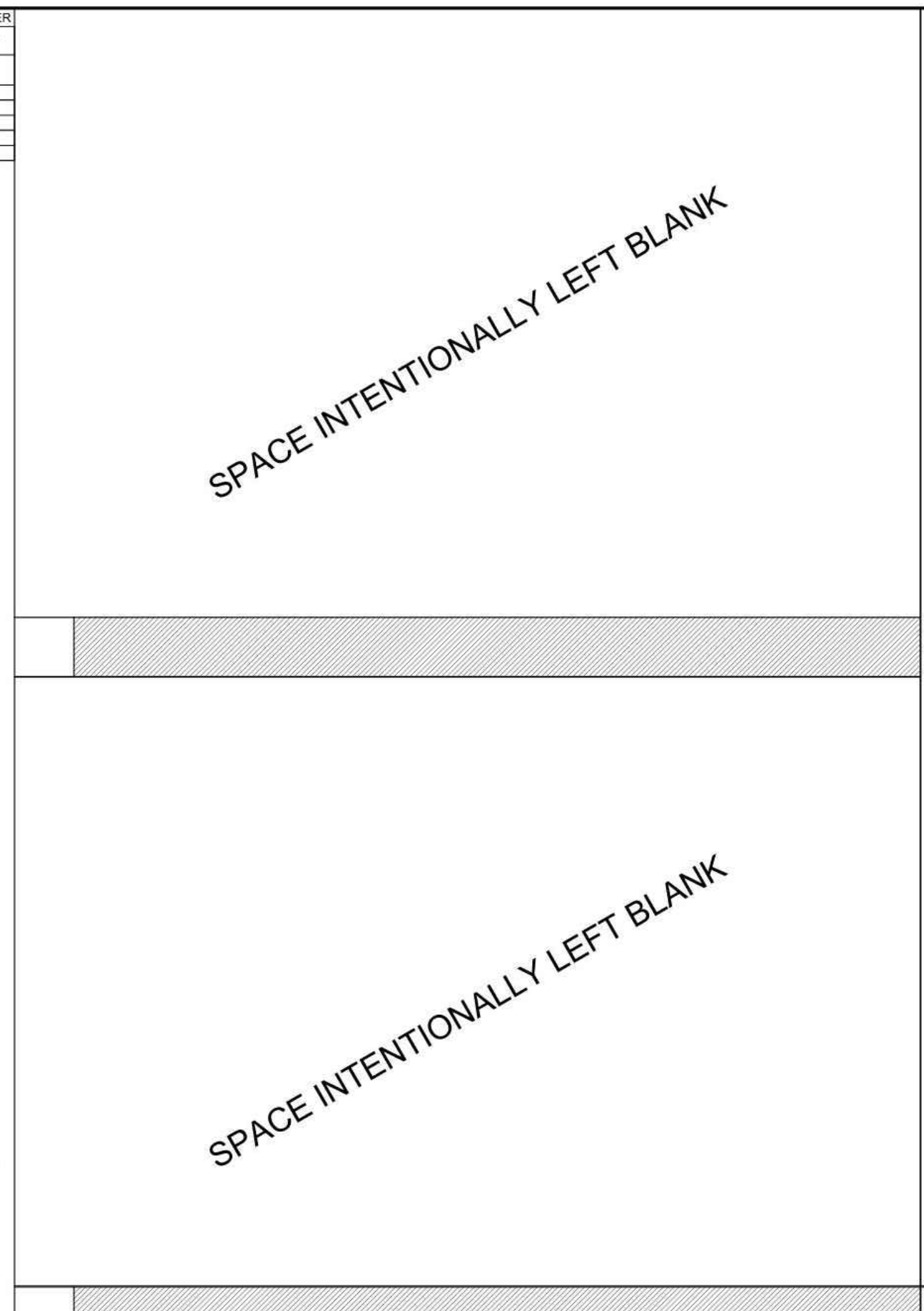


PROPOSED LAYOUT	PROPOSED ELEVATIONS:	PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT	MAX FLOW
364 STORMTECH SC-740 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PRESENT UNPAVED)					
46 STORMTECH SC-740 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)					
6 STONE ABOVE (IN)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)					
6 STONE BELOW (IN)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT)					
40 STONE SURT	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)					
28072 INSTALLED SYSTEM VOLUME (CP)	TOP OF STONE					
PERIMETER STONE (INCLUDED)	TOP OF SC-740 CHAMBERS					
13028 SYSTEM (IN)	2" x 1/2" TOP MANIFOLD INVERT					
366.9 SYSTEM PERIMETER (IN)	24" ISOLATOR ROW PLUS INVERT					
	BOTTOM OF SC-740 CHAMBERS					
	BOTTOM OF STONE					



NOTES

- MINIMUM SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANHOLE SIZING GUIDANCE.
- TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANHOLE COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE IN-SITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.



SC-740 TECHNICAL SPECIFICATION

NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51" X 30.0" X 85.4"	(1295 mm X 762 mm X 2169 mm)
CHAMBER STORAGE	45.9 CUBIC FEET	(1.30 m³)
MINIMUM INSTALLED STORAGE*	74.4 CUBIC FEET	(2.12 m³)
WEIGHT	75.0 lbs.	(33.6 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	45.9" X 29.3" X 9.0"	(1169 mm X 744 mm X 244 mm)
END CAP STORAGE	2.6 CUBIC FEET	(0.07 m³)
MINIMUM INSTALLED STORAGE**	13.5 CUBIC FEET	(0.38 m³)
WEIGHT	11.7 lbs.	(5.3 kg)

* ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS
** ASSUMES 6" (152 mm) STONE ABOVE AND BELOW END CAPS, 6" (152 mm) BETWEEN ROWS, 12" (305 mm) BEYOND END CAPS

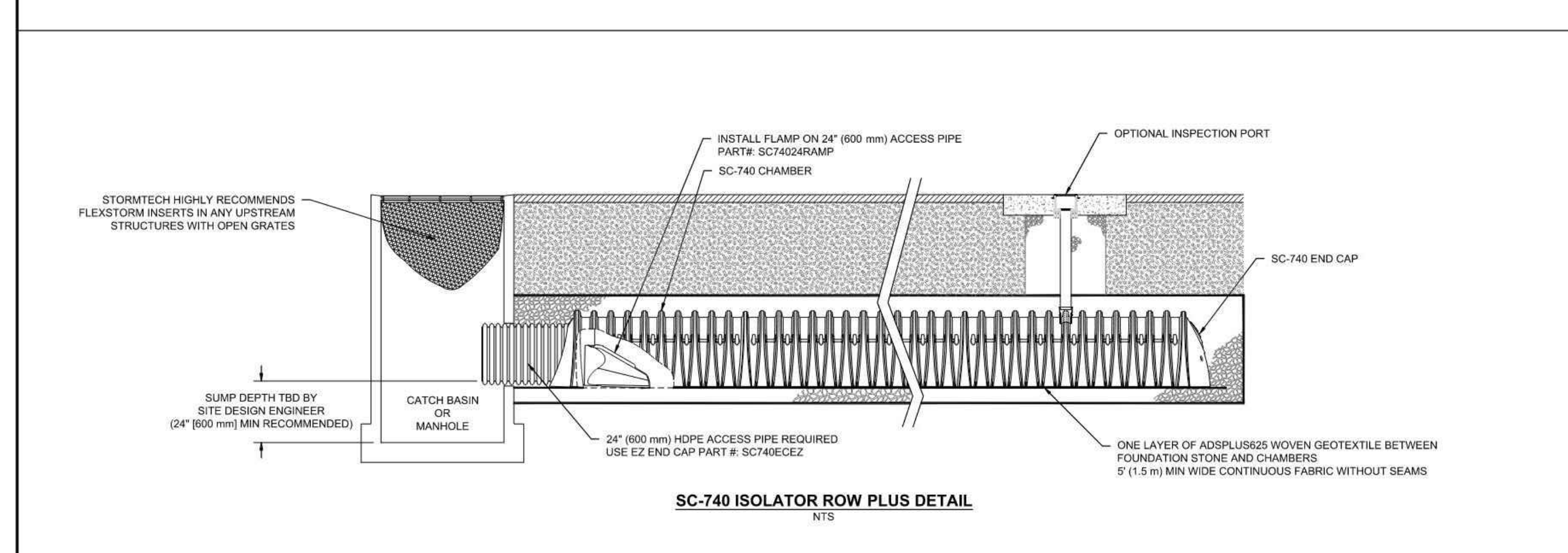
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE-CORREDED ENDS END WITH "PC"

PART #	STUB	A	B	C
SC740EPE0ET / SC740EPE0ETPC	6" (150 mm)	10.9" (277 mm)	18.5" (470 mm)	---
SC740EPE0B / SC740EPE0BPC	---	---	16.5" (419 mm)	0.5" (13 mm)
SC740EPE0FT / SC740EPE0FTPC	6" (200 mm)	12.2" (310 mm)	---	0.6" (15 mm)
SC740EPE0B / SC740EPE0BPC	---	---	---	0.6" (15 mm)
SC740EPE0T / SC740EPE0TPC	10" (250 mm)	13.4" (340 mm)	14.5" (368 mm)	0.7" (18 mm)
SC740EPE1B / SC740EPE1BPC	---	---	---	---
SC740EPE1T / SC740EPE1TPC	12" (300 mm)	14.7" (373 mm)	12.5" (318 mm)	---
SC740EPE1B / SC740EPE1BPC	---	---	---	1.2" (30 mm)
SC740EPE1T / SC740EPE1TPC	15" (375 mm)	18.4" (467 mm)	9.0" (229 mm)	---
SC740EPE1B / SC740EPE1BPC	---	---	---	1.3" (33 mm)
SC740EPE1T / SC740EPE1TPC	18" (450 mm)	19.7" (500 mm)	5.0" (127 mm)	---
SC740EPE1B / SC740EPE1BPC	---	---	---	1.6" (41 mm)
SC740ECEZ*	34" (860 mm)	18.5" (470 mm)	---	0.1" (3 mm)

ALL STUBS, EXCEPT FOR THE SC740ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740ECEZ THE 34" (860 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.25" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL.



SC-740 ISOLATOR ROW PLUS DETAIL

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT

- INSPECTION PORTS (IF PRESENT)
- REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
- REMOVE AND CLEAN FLEXFORM FILTER IF INSTALLED
- USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
- LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
- IF SEDIMENT IS AT, OR ABOVE, 1" (25 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JET/VAC PROCESS

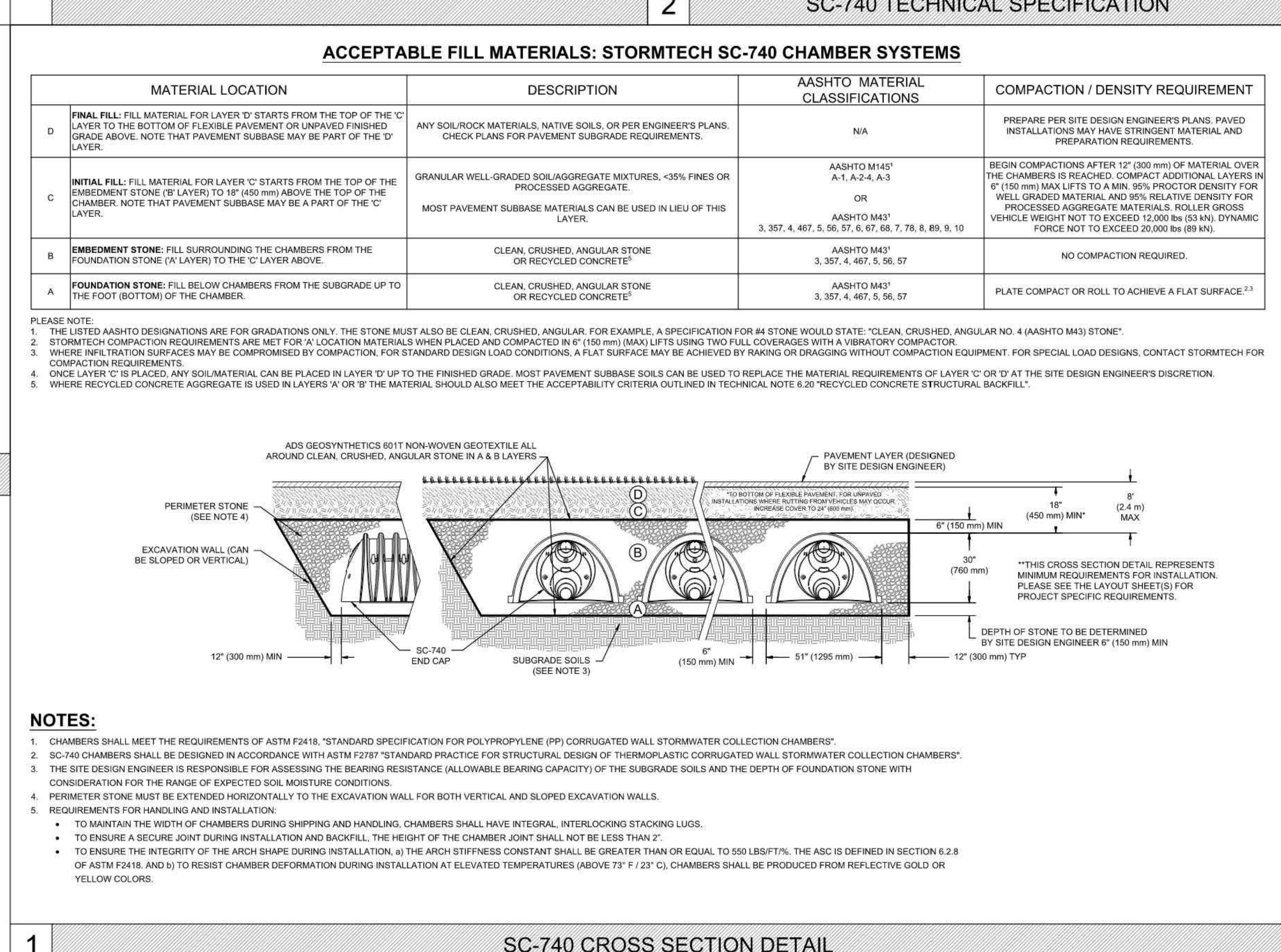
- A FIXED GULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- APPLY MULTIPLE PASSES OF JET/VAC UNTIL BACKFLUSH WATER IS CLEAN
- VACUUM STRUCTURE PUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



3

SC-740 ISOLATOR ROW PLUS DETAIL

1

SC-740 CROSS SECTION DETAIL

DATE: _____ PROJECT #: _____ REV: _____

DRAWN: BA CHECKED: N/A NOT TO SCALE

DRAPER MIDDLE SCHOOL RETENTION BASIN
DRAPER, UT, USA

StormTech Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUENAM BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET 1 OF 1

DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS
ADS RETENTION BASIN DETAILS
CONSTRUCTION DOCUMENTS

DRAPER PARK MIDDLE SCHOOL
13133 SOUTH 1300 EAST
DRAPER, UT 84020

COMP. FILE PROJECT NO. 24032 SHEET NO. C101

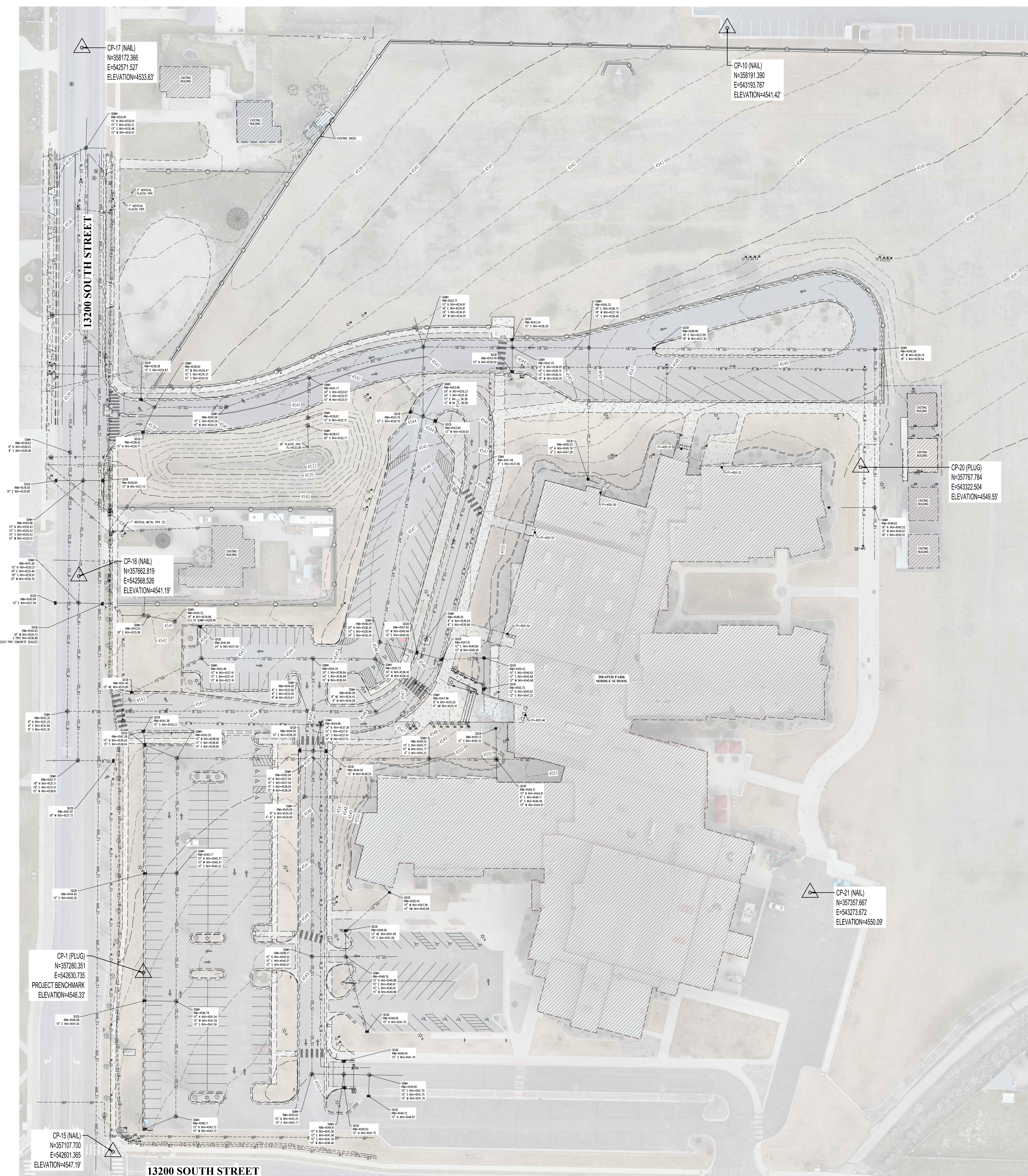
REVISIONS

NO.	DATE	BY	DESCRIPTION
1	22-MAY-2024	JL	ISSUED FOR PERMIT

MERIDIAN ENGINEERING, INC.
13133 SOUTH 1300 EAST
DRAPER, UT 84020
PHONE (801) 582-5174 FAX (801) 582-9119

STATE OF UTAH
05/22/2024
JACOB MICHAEL LEWIS
13470254-2200

Blue States of UTAH 811



SURVEYOR'S CERTIFICATE
 I, TRAVIS R. WILLIAMS, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR, HOLDING CERTIFICATE NUMBER 13841945, AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH AND STATE THAT INFORMATION SHOWN ON THIS PLAN HAS BEEN OBTAINED THROUGH SURFACE SURVEYS OF STRUCTURES, UTILITIES AND IMPROVEMENTS VISIBLE TO THE SURVEYOR AT THE TIME OF THE SURVEY. UNDERGROUND STRUCTURES, UTILITIES AND IMPROVEMENTS HAVE NOT BEEN SURVEYED. UNDERGROUND FEATURES, INCLUDING ELEVATIONS, SIZES, TYPES, CAPACITIES AND DIMENSIONS ARE SHOWN GRAPHICALLY AS OBTAINED THROUGH MUNICIPAL OR GOVERNING ENTITY RECORDS AND MAPS. INFORMATION AS REPRESENTED HEREIN DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.

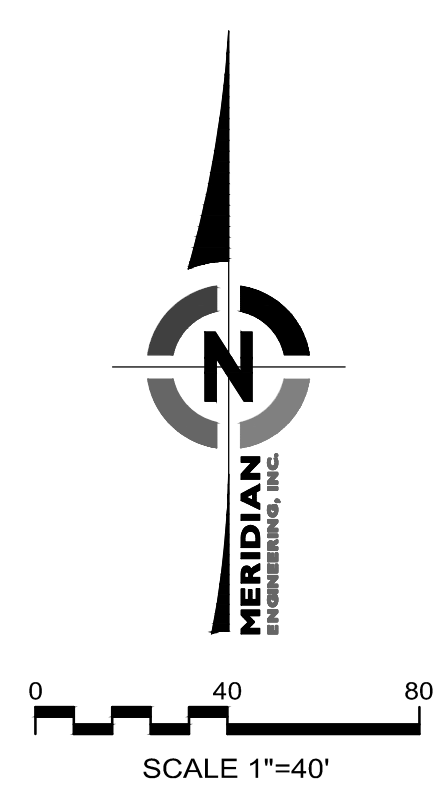


TRAVIS R. WILLIAMS
 PLS NO. 13841945

- THIS SURVEY AND CONTROL POINTS SHOWN WERE ESTABLISHED BY MERIDIAN ENGINEERING, INC. IN MARCH OF 2024. ALL CONTROL POINTS SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES TO ENSURE THEY ARE STILL INSIDE AN ACCEPTABLE MEASUREMENT TOLERANCE.
- CONTROL POINT ELEVATIONS SHOWN WERE DERIVED FROM THE PROJECT BENCHMARK USING DIFFERENTIAL LEVELING.
- THE LOCATIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS AS SHOWN HEREON ARE BASED ON ABOVE GROUND APPURTENANCES VISIBLE AT THE TIME OF THE SURVEY TO THE SURVEYOR. EXACT LOCATIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS MAY EXIST.
- ELEVATIONS, SIZES, TYPES AND CONDITIONS OF UNDERGROUND STRUCTURES, UTILITIES OR IMPROVEMENTS AS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED WITH THE APPROPRIATE AGENCY OR CONTROLLING PARTY BEFORE DESIGN OR CONSTRUCTION.
- ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS, FACILITIES, DEPOSITS OR DISPOSALS THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.
- UNLESS OTHERWISE SHOWN, NO ATTEMPT HAS BEEN MADE AS PART OF THIS PLAN AND THE SURVEY ON WHICH IT IS BASED TO DISCLOSE THE LOCATIONS, SIZE, TYPE OR CONDITION OF ANY TREE, HEDGE, GROUND COVER, LAWN, PLANTINGS OR ANY OTHER LANDSCAPING OR SPRINKLER HEADS, PIPES OR ANY APPURTENANT PARTS THEREOF. ADDITIONAL LANDSCAPING OR IRRIGATION FACILITIES MAY EXIST.
- CONTRACTOR MUST OBTAIN A PERMIT BEFORE BEGINNING WORK WITHIN THIRTY FEET OF AN ESTABLISHED COUNTY SURVEY MONUMENT, PER UTAH STATE CODE 17-23-4 SUBSECTIONS 2 AND 4.

LEGEND

BP	EXISTING BURIED POWER LINE
OP	EXISTING OVERHEAD POWER LINE
SD	EXISTING STORM DRAIN LINE
SS	EXISTING SEWER LINE
W	EXISTING WATER LINE
BT	EXISTING BURIED TELEPHONE LINE
CTV	EXISTING CABLE LINE
FO	EXISTING FIBER OPTIC LINE
G	EXISTING GAS LINE
IRR	EXISTING IRRIGATION LINE
---	EXISTING CHAIN LINK FENCE
---	EXISTING CURB & GUTTER
XXXX	EXISTING MAJOR CONTOUR LINE
XXXX	EXISTING MINOR CONTOUR LINE
[Hatched Box]	EXISTING CONCRETE
[Hatched Box]	EXISTING BUILDING
[Square]	EXISTING ELECTRICAL BOX
[Square]	EXISTING IRRIGATION BOX
[Square]	EXISTING TELEPHONE PEDESTAL
[Square]	EXISTING CABLE TV BOX
[Circle]	EXISTING SEWER MANHOLE
[Circle]	EXISTING STORM DRAIN MANHOLE
[Circle]	EXISTING WATER MANHOLE
[Circle]	EXISTING ELECTRICAL MANHOLE
[Circle]	EXISTING GAS MANHOLE
[Circle]	EXISTING CLEAN OUT
[Circle]	EXISTING CATCH BASIN
[Circle]	EXISTING WATER METER
[Circle]	EXISTING GAS METER
[Circle]	EXISTING ELECTRICAL METER
[Circle]	EXISTING LIGHT POLE
[Circle]	EXISTING GUY WIRE
[Circle]	EXISTING GATE POST
[Circle]	EXISTING SIGN
[Circle]	EXISTING GAS VALVE
[Circle]	EXISTING BOLLARD
[Circle]	EXISTING ELECTRICAL TRANSFORMER
[Circle]	EXISTING AIR CONDITIONER
[Circle]	EXISTING WATER VALVE
[Circle]	EXISTING FIRE HYDRANT
[Circle]	CONTROL MONUMENT



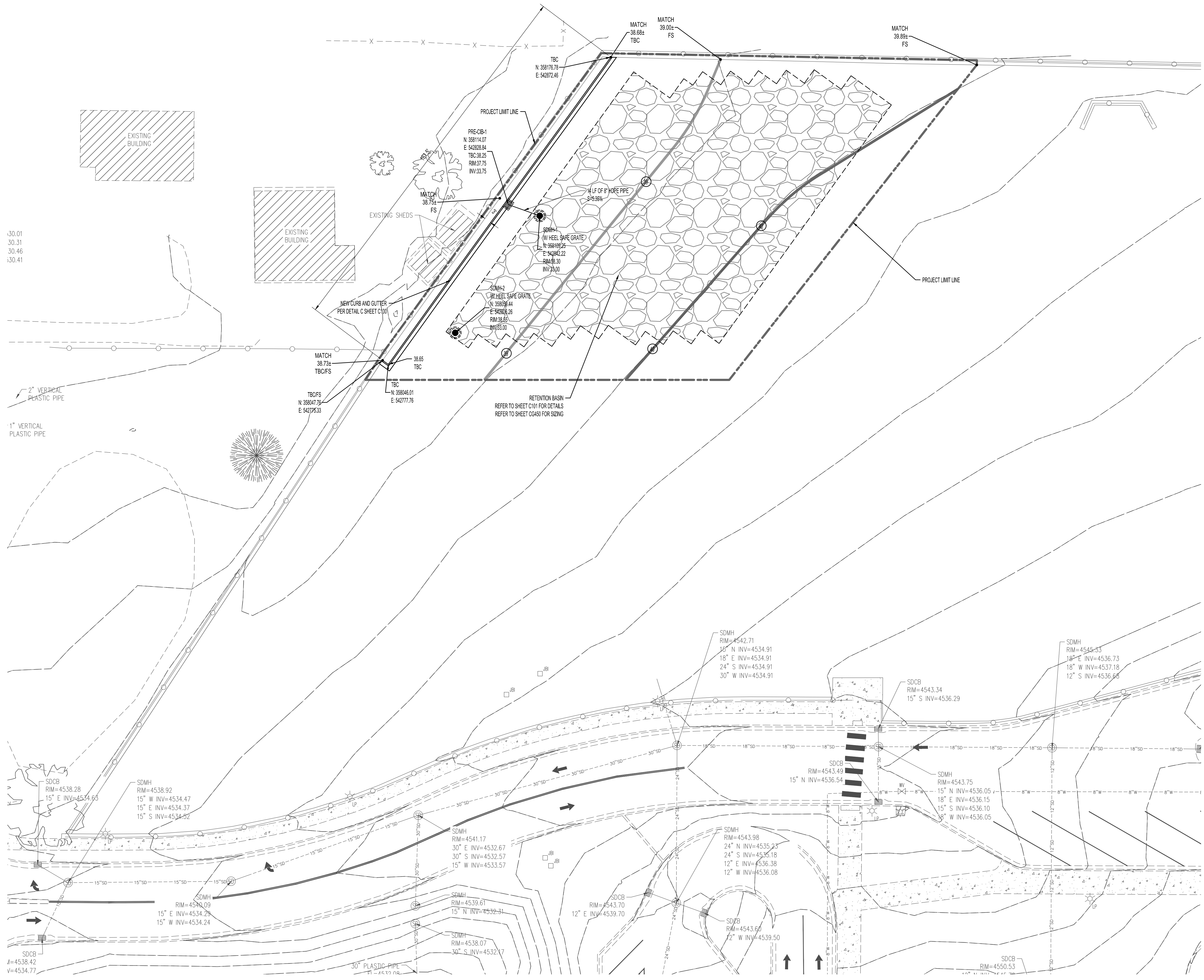
COPYRIGHT MERIDIAN ENGINEERING, INC. 13133 SOUTH 1300 EAST DRAPER, UT 84020 PHONE (801) 588-1313 FAX (801) 588-1919	DATE	29-APR-2024	NO.	
	DRAWN	SH	CHECKED	TEW
SURVEYED		MS		
DESIGNED		MS		
PROJECT NO.		24032		
SHEET NO.		C200		
PROJECT TITLE		DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS EXISTING SURVEY AND TOPOGRAPHY		
REVISIONS				
DATE				
BY				

DRAPER PARK MIDDLE SCHOOL
13133 SOUTH 1300 EAST
DRAPER, UT 84020

DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS
EXISTING SURVEY AND TOPOGRAPHY
REVIEW SET

COMP. FILE
 PROJECT NO. 24032
 SHEET NO. C200





30.01
30.31
30.46
30.41

2" VERTICAL PLASTIC PIPE
1" VERTICAL PLASTIC PIPE

SDCB
RIM=4538.28
15" E INV=4534.63
15" W INV=4534.47
15" E INV=4534.37
15" S INV=4534.22

SDMH
RIM=4538.92
15" W INV=4534.47
15" E INV=4534.37
15" S INV=4534.22

SDMH
RIM=4539.09
15" E INV=4534.24
15" W INV=4534.24

SDCB
RIM=4538.42
V=4534.77

SDMH
RIM=4541.17
30" E INV=4532.67
30" S INV=4532.57
15" W INV=4533.57

SDMH
RIM=4539.61
15" N INV=4539.31

SDMH
RIM=4538.07
30" S INV=4532.77

SDCB
RIM=4543.70
12" E INV=4539.70

SDCB
RIM=4543.64
12" W INV=4539.50

SDCB
RIM=4543.34
15" S INV=4536.29

SDMH
RIM=4542.71
30" N INV=4534.91
18" E INV=4534.91
24" S INV=4534.91
30" W INV=4534.91

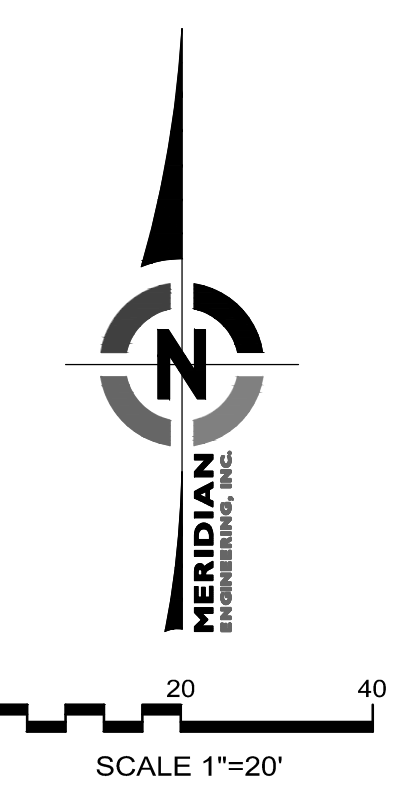
SDMH
RIM=4543.96
24" N INV=4535.23
24" S INV=4535.18
12" E INV=4536.38
12" W INV=4536.08

SDMH
RIM=4543.75
15" N INV=4536.05
18" E INV=4536.15
18" S INV=4536.10
18" W INV=4536.05

SDCB
RIM=4550.53

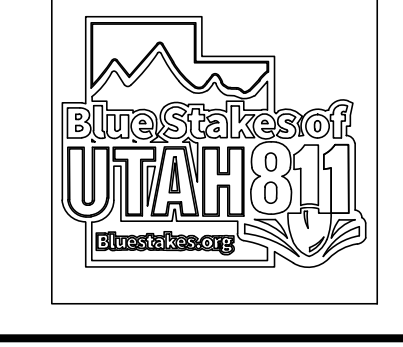
GRADING LEGEND	
	MAJOR CONTOUR
	MINOR CONTOUR

STRUCTURE LABEL	DETAIL #
PRE-CB - PRE-TREATMENT CURB AND GUTTER INLET	DETAIL A SHEET C100
SDMH - STORM DRAIN MANHOLE	DETAIL B SHEET C100



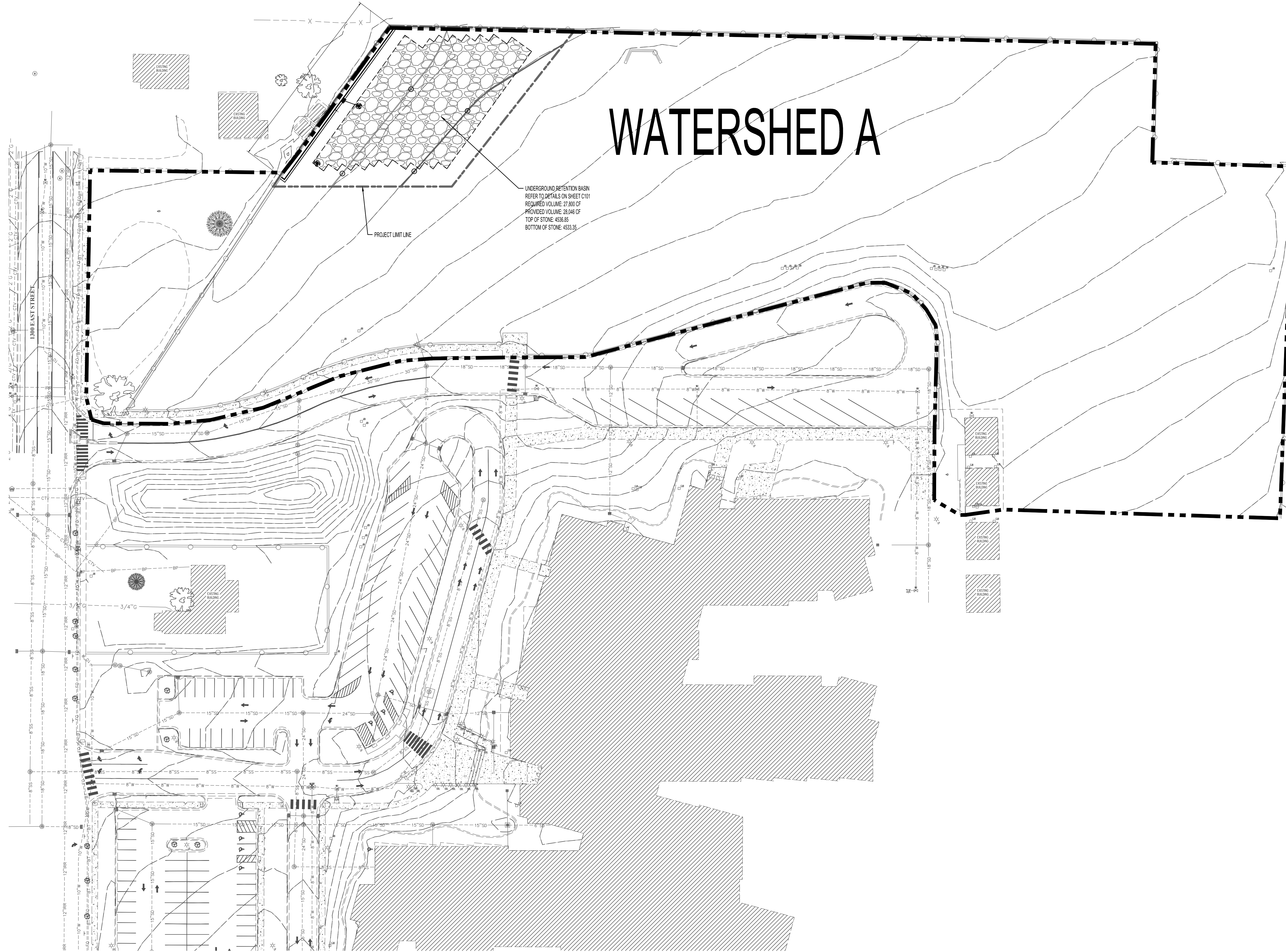
- GENERAL GRADING NOTES:
1. CONTOURS OF THE SITE ARE BASED ON A SURVEY BY MERIDIAN ENGINEERING. REFER TO SHEET C200 FOR PROJECT BENCH MARK AND BASIS OF BEARING.
 2. PROVIDE APPROVED SILT PROTECTION FOR ALL NEW AND EXISTING CATCH BASINS UNTIL LANDSCAPING IS WELL ESTABLISHED AND PARKING IS COMPLETE. THE PIPING SYSTEM SHALL BE CLEANED OUT BEFORE FINAL APPROVAL. USE MURRAY "DANDY BAG" OR ANOTHER APPROVED EQUIVALENT FOR EXISTING INLET PROTECTION. REFER TO SHEET C200 AND C210.
 3. DIMENSIONS OR COORDINATES ARE TO THE CENTER OF CATCH BASIN FOR AREA INLETS AND AT THE CENTER OF THE CATCH BASIN AT TBC FOR INLETS IN CURB AND GUTTER.
 4. PIPING LENGTHS ARE APPROXIMATE LENGTHS AND ARE ROUNDED TO THE NEAREST FOOT. LENGTHS ARE FROM CENTER TO CENTER OF INLETS OR CLEANOUTS. PIPE SLOPES ARE ALSO APPROXIMATE. USE INVERTS AT EACH BOX FOR CONTROL OF PIPE INSTALLATION.
 5. "TBC" IS TOP BACK OF CURB ELEVATIONS. "FS" IS FINISH SURFACE ELEVATIONS. "TCC" IS TOP OF CONCRETE ELEVATIONS. "TOW" IS TOP OF WALL ELEVATIONS. "BOT" IS FINISH SURFACE AT BOTTOM OF WALL ELEVATIONS. "FL" IS FLOW LINE.
 6. TRANSITION FACE OF CURB TO BE FLUSH TO ADJACENT FINISHED SURFACE WHERE INDICATED BY "TBC/FS" TO FULL HEIGHT OVER 5' MIN.
 7. ALL LANDSCAPE AREAS SHALL HAVE A MINIMUM OF TOPSOIL.
 8. ALL STORM WATER TO BE RETAINED ON-SITE USING 15" IHR PERCOLATION RATE PER GEOTECHNICAL REPORT FOR THE 100-YEAR STORM EVENT.
 9. DO NOT DRIVE HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE. SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER SUBGRADE WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. REPAIRS TO BE COMPLETED AS OUTLINED IN THE SPEC SECTION WITH UP TO 2" OF IMPORTED STRUCTURAL GRANULAR FILL TO STABILIZE SOFT AREAS CAUSED BY ROUTING HEAVY EQUIPMENT OR TRUCKS OVER EXCAVATED SUBGRADE.
 10. SITE SOILS MAY NOT SUPPORT CONSTRUCTION TRAFFIC DURING WET PERIODS OF THE YEAR. CONTRACTOR WILL BE RESPONSIBLE TO PLACE GRANULAR FILL AND/OR COBBLE MATERIALS AS NECESSARY TO MAINTAIN ACCESS TO THE SITE THROUGHOUT THE CONSTRUCTION SITE AT ALL TIMES. EXCESS MATERIAL SHALL BE REMOVED AS REQUIRED TO COMPLETE THE SITE TO THE GRADES SHOWN ON GRADING PLANS. ALSO REFER TO GEOTECHNICAL INVESTIGATION SHEETS FOR SITE SOIL PREPARATION REQUIREMENTS.
 11. PROVIDE TEMPORARY STORM DRAIN PUMPING, PONDING, BERMING, PIPING AND INLETS OR OTHER MEASURES TO RETAIN CONSTRUCTION STORM DRAIN RUNOFF ON SITE DURING CONSTRUCTION UNTIL THE NEW SYSTEM IS OPERATIONAL. ALL CONSTRUCTION SITE RUNOFF TO HAVE HEAVY SEDIMENT REMOVED PRIOR TO RELEASING TO EXISTING SITE DRAIN SYSTEM. PROTECT ADJACENT BUILDING FROM CONSTRUCTION RUNOFF AT ALL TIMES.
 12. THERE SHOULD BE NO STANDING WATER ON-SITE. ALL STORM WATER SHALL DRAIN TO AN INLET OR AREA DRAIN. CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD IF ANY LOW SPOTS THAT DO NOT DRAIN ARE ENCOUNTERED. A WATER TEST WILL BE PERFORMED BY THE CONTRACTOR WITH THE ENGINEER OF RECORD IN ATTENDANCE OR A SURVEY OF THE NEW IMPROVEMENTS PROVIDED TO THE ENGINEER AT COMPLETION OF THE PROJECT TO VERIFY THAT ALL STORM DRAIN WATER DRAINS AS DESIGNED.
 13. ALL "MATCH" LOCATIONS INDICATE THAT THE CONTRACTOR IS TO MATCH THE EXISTING GRADE. AN APPROXIMATE ESTIMATE IS PROVIDED BY THE ENGINEER BASED ON AN INTERPOLATION OF NEAREST SPOT ELEVATIONS PROVIDED BY THE SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE ELEVATIONS. IF THE ELEVATION PROVIDED BY THE ENGINEER VARIES GREATLY FROM THE ACTUAL ELEVATION FOUND BY THE CONTRACTOR THE CONTRACTOR IS TO NOTIFY THE ENGINEER SO THAT THE ENGINEER CAN PROVIDE FURTHER DIRECTION.
 14. GRADE UNIFORMITY BETWEEN SPOT ELEVATIONS AND CONTOURS UNLESS NOTED OTHERWISE. IF ANY QUESTIONS ARISE ABOUT THE PROPOSED GRADING SHOWN ON PLANS CONTACT THE ENGINEER OF RECORD BEFORE FIELD GRADING.
 15. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL STUDY REFERENCED IN PLAN SET. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE WHERE THE WORK IS BEING PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOIL REPORT.
 16. NO STORM WATER TO ENTER THE RETENTION BASIN UNTIL THE PIPING SYSTEM AND PRE-TREATMENT INLET HAS BEEN INSTALLED. CONTRACTOR TO CLEAN ENTIRE SYSTEM BEFORE IT IS ATTACHED TO THE RETENTION BASIN.
 17. NOTIFY ENGINEER OF RECORD IF THERE ARE ANY CONFLICTS WITH UTILITY LINES OR IF ASSUMED INVERTS VARY. FOR FURTHER COORDINATION.
 18. CONTRACTOR IS RESPONSIBLE TO INFORM THE ENGINEER OF RECORD IF THE GRADES SHOWN ON THE SURVEY DO NOT MEET THE ACTUAL GRADES IN THE FIELD.
 19. RESTORE SOIL AND SPRINKLER SYSTEM AROUND NEW IMPROVEMENTS IN LANDSCAPE. SPRINKLER SYSTEM MUST BE MAINTAINED AND REMAIN IN SERVICE FOR REMAINDER OF GRASS AREA DURING CONSTRUCTION.
 20. REMOVE AND REPLACE ANY DAMAGED CURB, GUTTER, OR SIDEWALK ALONG FRONTAGE BEFORE FINAL INSPECTION.
 21. ALL GUTTERS TO SLOPE 0.5% MINIMUM TOWARDS CURB INLET BOX. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IF THE PROPOSED GRADE DOES NOT MEET 0.5% SLOPE IN GUTTER.
 22. SPOT ELEVATION PREFIX OF 45 HAS BEEN DROPPED FROM THE ELEVATIONS E. ELEVATION 39.51 = 4539.51.

DRAWN	JL	DATE	22-MAY-2024
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 MERIDIAN ENGINEERING, INC. 13133 SOUTH JORDAN UTAH 84020 PHONE (801) 588-5155 FAX (801) 588-9119		REVISIONS NO. DATE BY	
DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS GRADING PLAN CONSTRUCTION DOCUMENTS			
COMP. FILE			
PROJECT NO. 24032			
SHEET NO. C6400			



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WATERSHED A



Basin #	Runoff Curve Number Calculations					Time of Concentration Calculations																			
	Pervious Zones		Impervious Zones		Total Basin Values			Sheet Flow					Shallow Concentrated Flow					Basin	UH						
	Area	CN	Area	CN	Area	Area	CN	Initial	Path Paved	Manning	Flow Length	2yr 24hr Depth	Begin El	End El	Slope	T _{sheet}	Flow Length	Begin El	End El	Slope	Path Paved	V/S coeff	T _{shallow}	T _c	Lag Time
	Sq Ft		Sq Ft		Sq Ft	Acres		Abstraction	(Y/N)	Roughness	Ft	in	Ft	Ft	ft/ft	Min	Ft	Ft	Ft	ft/ft	(Y/N)	k	Min	Min	Min
Watershed A	174,709	39	125,839	98	300,548	6.90	64	5.70	No	0.41	350	1.39	4552	4546	0.0171	80.6	515	4546	4538.5	0.0146	Yes	20.8	3.4	84.0	50.4
			42%		0.01078																				

- Assumptions**
- CN values based on Table 2-2a of "Urban Hydrology for Small Watersheds Technical Release 55"
 - Assumes no impermeable soils within 40 inches of the surface
 - Assumes a percolation rate greater than 1.42 in/hr onsite
 - Hydraulic Soil Group "K" assumed on site
 - Assumes pervious areas consist of "Pasture, grassland, or Range - Continuous Forage for Grazing" with "Poor Cover"
 - Assumes AMC II conditions for project area
 - Manning Roughness from Table 3-1 of "Urban Hydrology for Small Watersheds Technical Release 55"
 - Unpaved n assumes "Grass, Bermudagrass" from Table 3-1
 - Paved n assumes "Paved Area (Sheet Flow)" from Table 3-1
 - 2 year 24 hour storm depth obtained from NOAA Atlas 14, Volume 1, Point Precipitation Frequency Estimates for the Project site.
 - Coefficient of Velocity vs. Slope (k) from Table 3-14 of "Hydrologic Analysis and Design (McCuen, 1998)"
 - Unpaved k assumes "Grass, short" from Table 3-14
 - Paved k assumes "Paved gutter" from Table 3-14
 - Calculations assume no channelized flow
 - A minimum TC of 5 minutes was assumed.

- NOTES:
- 100 YEAR 24 HOUR RAINFALL DEPTHS OBTAINED FROM NOAA ATLAS 14, VOLUME 1, VERSION 5 FOR DRAPER, UTAH.
 - HYDROLOGIC MODEL OF THE PROJECT AND POND SIZING WAS COMPLETED USING HYDROLOGIC MODELING SYSTEM (HEC-HMS) VERSION 4.11.
 - SEDIMENT WILL NOT BE ALLOWED INTO RETENTION BASIN DURING CONSTRUCTION AND DURING LANDSCAPE STABILIZATION OF SOILS. CONTRACTOR WILL BE REQUIRED TO CLEAN OR REPLACE RETENTION BASINS THAT ARE NOT MAINTAINED FREE OF SEDIMENT DURING CONSTRUCTION AND DURING ESTABLISHMENT OF ALL LANDSCAPED AREAS.
 - APPROXIMATED 100 YEAR 24 HOUR STORM EVENT IS TO BE RETAINED IN THE UNDERGROUND BASIN.



DRAPER PARK MIDDLE SCHOOL SITE IMPROVEMENTS

HYDROLOGY PLAN

CONSTRUCTION DOCUMENTS

DRAPER PARK MIDDLE SCHOOL
13133 SOUTH 1300 EAST
DRAPER, UT 84020

MERIDIAN ENGINEERING, INC.
100 SOUTH JORDAN UTAH BLVD
SOUTH JORDAN, UT 84092
PHONE (801) 588-1515 FAX (801) 588-9119

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CHECKED: _____	NO.
DATE: 22-MAY-2024	NO.

BY: DATE

COMP. FILE

PROJECT NO. 24032

SHEET NO. CG450