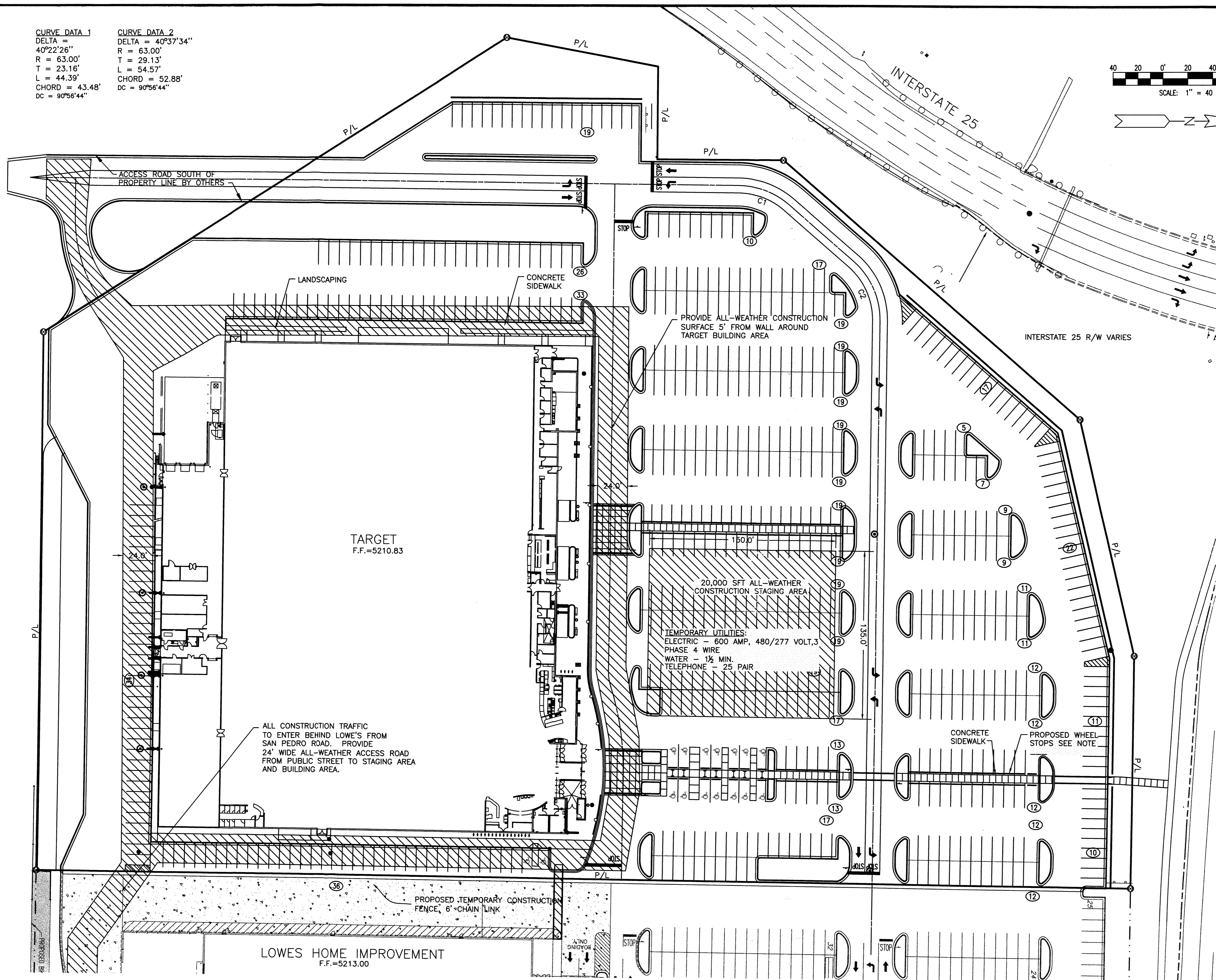
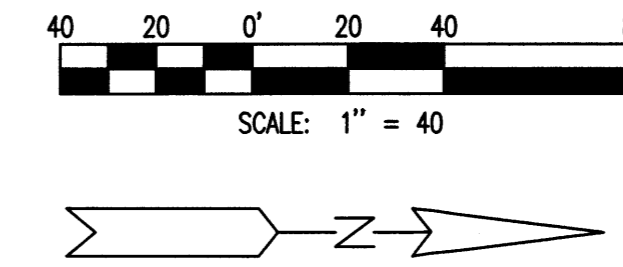


CURVE DATA 1
 DELTA = 40°22'26"
 R = 63.00'
 T = 23.16'
 L = 44.39'
 CHORD = 43.48'
 DC = 90°56'44"

CURVE DATA 2
 DELTA = 40°37'34"
 R = 63.00'
 T = 29.13'
 L = 54.57'
 CHORD = 52.88'
 DC = 90°56'44"



NOTE:
 ALL-WEATHER IS DEFINED AS A COMPACTED, NON-EXPANSIVE,
 FREE-DRAINING, DRIVEABLE SURFACE ABLE TO PERFORM
 UNDER ALL WEATHER CONDITIONS.

TARGET REVIEWED BY:

Development Manager
 ___ Revise and Resubmit ___ Not Reviewed ___ Approved as Noted ___ Approved

Project Architect
 ___ Revise and Resubmit ___ Not Reviewed ___ Approved as Noted ___ Approved

Project Engineer (M)
 ___ Revise and Resubmit ___ Not Reviewed ___ Approved as Noted ___ Approved

Project Engineer (E)
 ___ Revise and Resubmit ___ Not Reviewed ___ Approved as Noted ___ Approved

Project Engineer (S)
 ___ Revise and Resubmit ___ Not Reviewed ___ Approved as Noted ___ Approved

Approved only for conformance of the site construction documents to Target Developer Guide, Edition 2.4 and the Target building documents. Consultant is solely responsible for completeness, accuracy, and dimensions on the site construction documents.

Wade-Trim
 1100 Superior Avenue, Suite 1410
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 www.wadetrिम.com

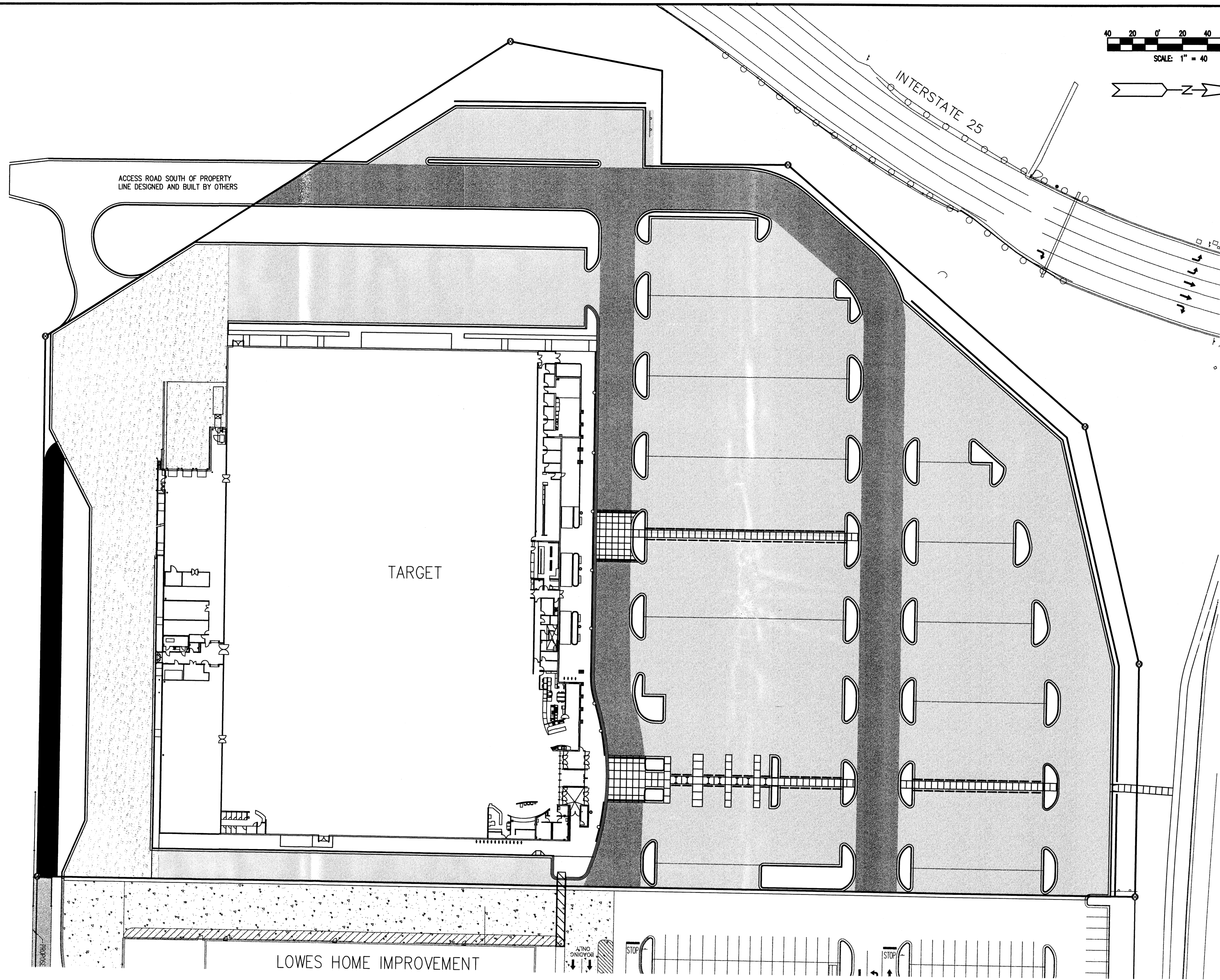
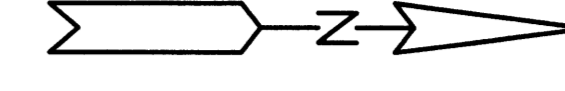
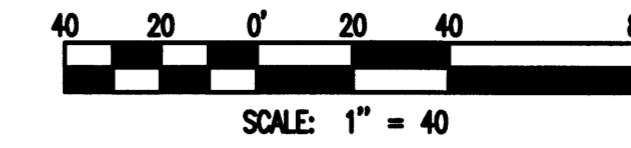
Building relationships on a foundation of excellence

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TARGET - NE ALBUQUERQUE
STAGING PLAN

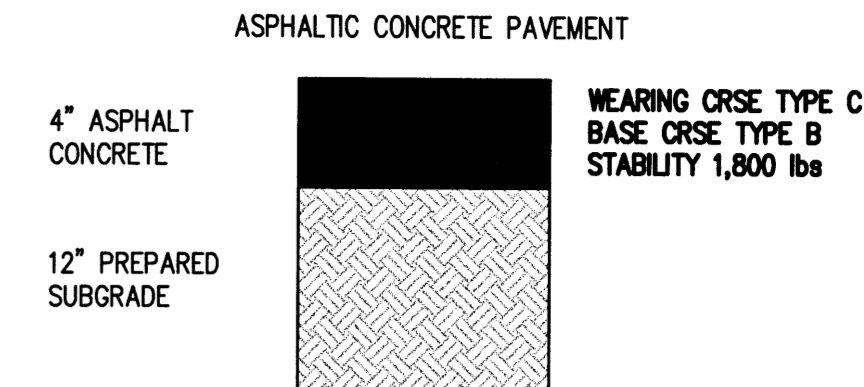
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR

CITY PROJECT NO. XXXXXX MAP NO. D-18 SHEET 8.2 OF 17

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
SURVEYOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
APPROVED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
REVISIONS	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGN	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY: RMB	DATE: 7/01/2004	DESIGNED BY: RMB	DATE: 7/01/2004	DESIGNED BY: RMB	DATE: 7/01/2004	DESIGNED BY: RMB	DATE: 7/01/2004
DRAWN BY: BCL	DATE: 7/01/2004	DRAWN BY: BCL	DATE: 7/01/2004	DRAWN BY: BCL	DATE: 7/01/2004	DRAWN BY: BCL	DATE: 7/01/2004
CHECKED BY: BEB	DATE: 7/01/2004	CHECKED BY: BEB	DATE: 7/01/2004	CHECKED BY: BEB	DATE: 7/01/2004	CHECKED BY: BEB	DATE: 7/01/2004

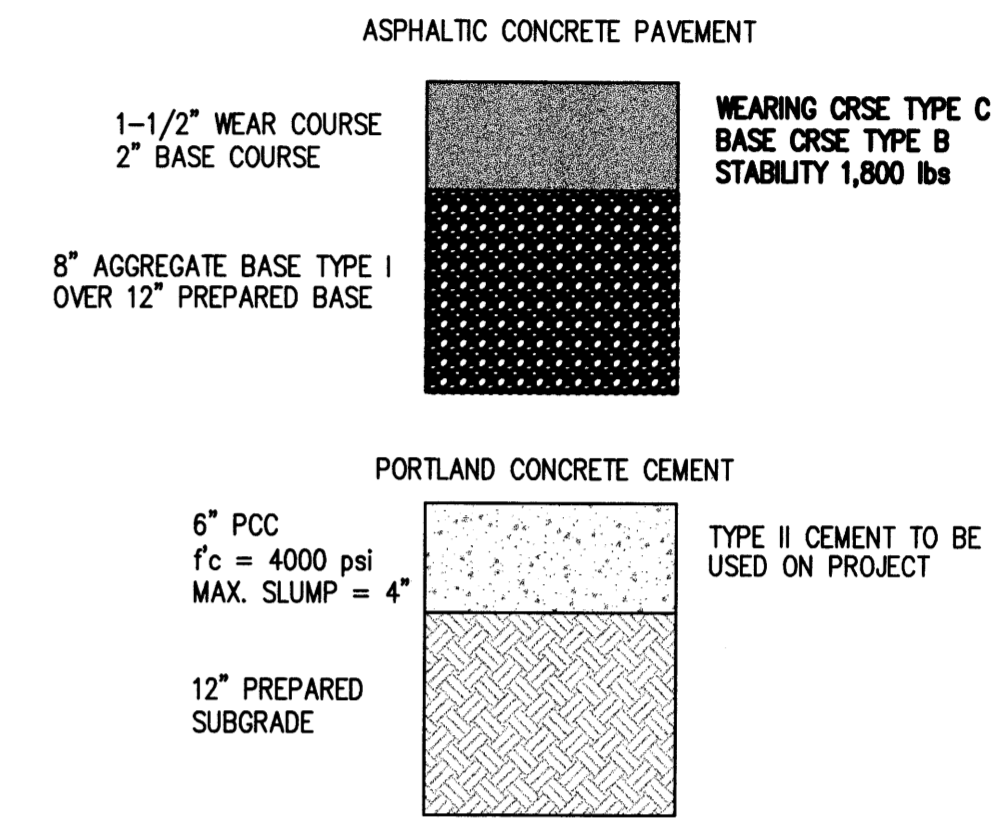


BIKE PATH PAVEMENT SECTION

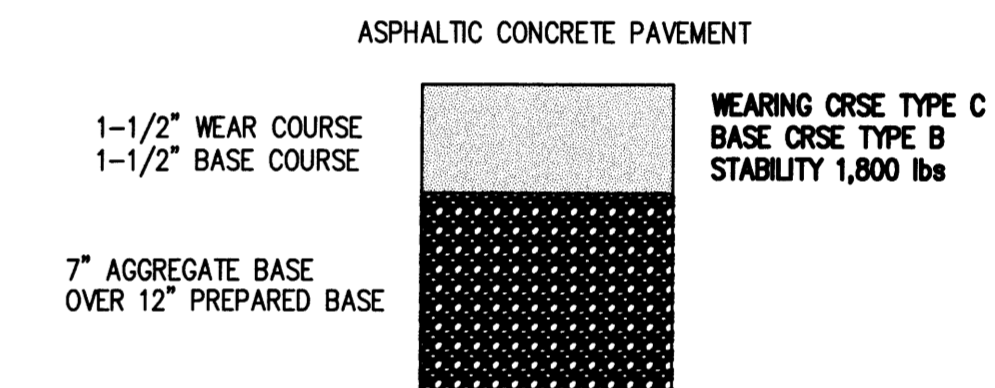


* OR AS DIRECTED BY CITY OF ALBUQUERQUE

HEAVY DUTY PAVEMENT SECTION



LIGHT DUTY PAVEMENT SECTION



NOTE:
1. PAVEMENT SECTIONS ABOVE ARE A 10-YEAR DESIGN
2. SEE KLEINFELDER GEOTECHNICAL REPORT DATED SEPTEMBER 29, 2003 FOR SUBGRADE COMPACTION AND PAVEMENT SPECIFICATIONS



REVIEWED BY:

Development Manager	_____	_____	_____
Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Architect	_____	_____	_____
Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (M)	_____	_____	_____
Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (E)	_____	_____	_____
Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (S)	_____	_____	_____
Revise and Resubmit	Not Reviewed	Approved as Noted	Approved

Approved only for conformance of the site construction documents to Target Developer Guide, Edition 2.4 and the Target building documents. Consultant is solely responsible for completeness, accuracy, and dimensions on the site construction documents.

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PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TARGET - NE ALBUQUERQUE
PAVEMENT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR
CITY PROJECT NO. XXXXXX	MAP NO. D-18	SHEET 9.0	OF 17

AS-BUILT INFORMATION		CONTRACTOR	DATE
BENCH MARKS		NO.	DATE
SURVEY INFORMATION		BY	DATE
FIELD NOTES		NO.	DATE
ENGINEER'S SEAL		NO.	DATE
REVISIONS		NO.	DATE
DESIGN		NO.	DATE
MICRO-FILM INFORMATION		NO.	DATE

ELECTRICAL SHEET INDEX

SHEET NUMBER	SHEET NAME
10.1	SITE LIGHTING ELECTRICAL
10.2	SITE ELECTRICAL SPECIFICATIONS

ELECTRICAL SYMBOL LIST

	KEY NOTE		CONTROL PANEL
	DESIGNATES OWNER SUPPLIED EQUIPMENT.		LP PANELBOARD
	INCANDESCENT OR HID LUMINAIRE		HL PANELBOARD
	FLUORESCENT LUMINAIRE		HP & LD PANELBOARD
	INDICATES EMERGENCY LIGHTING		TRANSFORMER
	POLE MOUNTED LUMINAIRE		WIRING METHOD AND IDENTIFICATION NOTE WITHOUT FURTHER IDENTIFICATION SYMBOL INDICATES 1/2" CONDUIT WITH 2# AWG CONDUCTORS. CROSS LINES INDICATE QUANTITY OF #2 AWG CONDUCTORS AND EXTENDED CROSS LINE W/O DOT INDICATES NEUTRAL CONDUCTOR. W/DOT INDICATES SEPARATE GROUND. ALL IN CODE SIZED CONDUIT. NS INDICATES A NON-SWITCHED CIRCUIT FOR EMERGENCY OPERATION.
	WALL MOUNT JUNCTION BOX - 18" AFF UNO OR CABINET MOUNT JUNCTION BOX		CONDUIT CONCEALED IN CEILING OR WALL
	FURNITURE OR FIXTURE MOUNTED JUNCTION BOX		CONDUIT CONCEALED IN FLOOR
	CEILING MOUNT JUNCTION BOX		CONDUIT EXPOSED
	A = MASTER ANTENNA-TV (MATV) SYSTEM		CONDUIT RUN UNDERGROUND
	NET = NETWORK SYSTEM		CONDUIT TURNED UP
	E = ELECTRONIC POINT OF SALE (EPOS) SYSTEM		CONDUIT TURNED DOWN
	F = FIRE ALARM SYSTEM		CONDUIT CAPPED OR BUSHED
	P = PAGING SYSTEM		BRANCH CIRCUIT HOME RUN TO PANELBOARD (UPPER CODE - PANEL ID, LOWER NUMERALS IDENTIFY CIRCUIT NUMBERS)
	S = SECURITY SYSTEM		GROUND CONNECTION AS NOTED
	T = LOW VOLTAGE THERMOSTAT - 96" AFF UNO		LOW VOLTAGE CABLE
	TS = LV TEMPERATURE SENSOR - 96" AFF UNO		

NOTE: DIMENSIONS ARE TO CENTERLINE OF DEVICE OR BOX UNO.

LIGHT FIXTURE SCHEDULE

Symbol	Label	Arrangement	Description
	A	SINGLE	GSL-AM-1000-MH-XX-AR-FG IES #766896 MoDraw-Edison
	A2	BACK-BACK	GSL-AM-1000-MH-XX-AR-FG 2#B0 IES #766896 MoDraw-Edison

LOAD SUMMARY SCHEDULE

DESCRIPTION	NO.	LOAD	TYPE	AMPERE	#	AMPERE	LOAD	TYPE	NO.	DESCRIPTION
QUEST PARKING LTO 'A'	2.8	(8)	L	202	1	2	202	L	(8)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	2	4	202	L	(4)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	3	6	202	L	(6)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	4	8	202	L	(8)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	5	10	202	L	(10)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	6	12	202	L	(12)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	7	14	202	L	(14)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	8	16	202	L	(16)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	9	18	202	L	(18)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	10	20	202	L	(20)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	11	22	202	L	(22)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	12	24	202	L	(24)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	13	26	202	L	(26)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	14	28	202	L	(28)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	15	30	202	L	(30)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	16	32	202	L	(32)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	17	34	202	L	(34)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	18	36	202	L	(36)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	19	38	202	L	(38)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	20	40	202	L	(40)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	21	42	202	L	(42)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	22	44	202	L	(44)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	23	46	202	L	(46)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	24	48	202	L	(48)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	25	50	202	L	(50)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	26	52	202	L	(52)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	27	54	202	L	(54)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	28	56	202	L	(56)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	29	58	202	L	(58)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	30	60	202	L	(60)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	31	62	202	L	(62)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	32	64	202	L	(64)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	33	66	202	L	(66)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	34	68	202	L	(68)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	35	70	202	L	(70)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	36	72	202	L	(72)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	37	74	202	L	(74)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	38	76	202	L	(76)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	39	78	202	L	(78)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	40	80	202	L	(80)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	41	82	202	L	(82)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	42	84	202	L	(84)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	43	86	202	L	(86)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	44	88	202	L	(88)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	45	90	202	L	(90)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	46	92	202	L	(92)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	47	94	202	L	(94)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	48	96	202	L	(96)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	49	98	202	L	(98)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	50	100	202	L	(100)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	51	102	202	L	(102)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	52	104	202	L	(104)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	53	106	202	L	(106)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	54	108	202	L	(108)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	55	110	202	L	(110)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	56	112	202	L	(112)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	57	114	202	L	(114)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	58	116	202	L	(116)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	59	118	202	L	(118)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	60	120	202	L	(120)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	61	122	202	L	(122)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	62	124	202	L	(124)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	63	126	202	L	(126)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	64	128	202	L	(128)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	65	130	202	L	(130)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	66	132	202	L	(132)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	67	134	202	L	(134)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	68	136	202	L	(136)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	69	138	202	L	(138)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	70	140	202	L	(140)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	71	142	202	L	(142)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	72	144	202	L	(144)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	73	146	202	L	(146)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	74	148	202	L	(148)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	75	150	202	L	(150)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	76	152	202	L	(152)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	77	154	202	L	(154)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	78	156	202	L	(156)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	79	158	202	L	(158)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	80	160	202	L	(160)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	81	162	202	L	(162)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	82	164	202	L	(164)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	83	166	202	L	(166)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	84	168	202	L	(168)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	85	170	202	L	(170)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	86	172	202	L	(172)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	87	174	202	L	(174)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	88	176	202	L	(176)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	89	178	202	L	(178)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	90	180	202	L	(180)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	91	182	202	L	(182)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	92	184	202	L	(184)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	93	186	202	L	(186)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	94	188	202	L	(188)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	95	190	202	L	(190)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	96	192	202	L	(192)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	97	194	202	L	(194)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	98	196	202	L	(196)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	99	198	202	L	(198)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	202	100	200	202	L	(200)	QUEST PARKING LTO 'B'
QUEST PARKING LTO 'A'	2.8	(8)	L	2						

LI QUALITY REQUIREMENTS A. Meet requirements of latest edition of NEC and other national, state and local regulations that may apply. B. Where requirements indicated in the Contract Documents are in excess of applicable codes and standards, the Contract Documents take precedence. L2 SUBMITTALS A. Load Current and Voltage Measurement B. Certificates Submittal certificates to Engineer, stating that electrical tests have been completed. PART 2 - PRODUCTS 2.1 GENERAL A. Provide equipment and material listed by UL or ETL. B. Identification 1. Identify equipment with manufacturer's nameplate. 2. Indicate manufacturer's name, address, model number and electrical ratings. 2.2 UNDERGROUND WARNING TAPE A. Six inch wide polyethylene tapes permanently colored yellow for electric and orange for telephone with wording indicating type of service and location. PART 3 - EXECUTION 3.1 INSTALLATION A. General 1. Install equipment with space allowed for removal, repair and modifications. B. Existing Equipment 1. Make modifications to existing equipment as indicated on Drawings and in Specification Sections. 2. Maintain uninterrupted electrical service to existing areas under modification. C. Inserts and Sleeves 1. Install inserts for fastening equipment to new concrete work during construction of building in locations approved by the Architect. 2. Use expansion bolts for fastening equipment in existing construction or when inserts have been improperly located. 3. Install sleeves for conduits one inch and larger when penetrating poured concrete walls, floors, or precast panels. 4. Seal sleeves with three hour rated fire retardant silicone sealant. D. Access Panels 1. Install access panels in least obtrusive location or as approved by Architect for concealed conduit, boxes, wiring and electrical equipment requiring accessibility. E. Shop Finishing 1. Clean shop or factory fabricated or field built equipment not galvanized or protected and paint one shop coat of primer before delivery to site. Repaint scratches or blemishes. 2. Do not paint nameplates, labels, tags, stainless steel or chromiumpolished items such as shafts, levers, handles, trim, and strips. F. Protection of Work 1. Protect equipment and fixtures with tarpaulins, drop cloths, barricades as required. 2. Replace damaged equipment with new equipment. G. Housekeeping Pads 1. Install concrete housekeeping pad for each piece of floor mounted equipment. 2. Size pad 4 inches high and 4 inches beyond equipment length and width. H. Bonding and Testing 1. Balance circuits under full load conditions and record final full load phase current measurements. 2. Measure and record voltage current and voltage at main switchboard and each distribution panel and panelboard. 3. Prepare current and voltage measurements in tabular form. 4. Test each feeder by means of megohm insulation tester (megger). Correct circuits showing less than one megohm resistance. I. Excavating and Backfilling 1. Excavate, trench, backfill and compact for electrical work conforming to Project requirements. Do not cover conduit or other work before inspection and approval. 2. Install identifying underground warning tapes 12 inches below grade directly above, and continuous with underground cable or conduit. END OF SECTION

LI QUALITY REQUIREMENTS A. Section Includes 1. Rigid metal conduit and fittings. 2. Intermediate metal conduit and fittings. 3. Electrical metallic tubing and fittings. 4. Flexible metal conduit and fittings. 5. Liquidtight flexible metal conduit and fittings. 6. Nonmetallic conduit and fittings. L2 REFERENCES A. ANSIC80.4, Rigid Steel Conduit, Zinc-Coated. B. ANSIC80.5, Electrical Metallic Tubing, Zinc-Coated. C. ANSIC80.5, Rigid Aluminum Conduit. D. ANS/NEMA FB-1, Fittings and Supports for Conduit and Cable Assemblies. E. NEMA RW-1, PVC Externally-Coated Galvanized Rigid Steel Conduit and Electrical Metallic Tubing. F. NEMA TC2, Electrical Plastic Tubing (EPT) and Conduit (EPC-40 and EPC-50). G. NEMA TC 3, PVC Fittings for Use with Rigid PVC Conduit and Tubing. H. UL, Building Materials Directory. L4 SUBMITTALS A. Certificates of Insulation megohm tests. Submit test results to OSR. PART 2 - PRODUCTS 2.1 RIGID METAL CONDUIT AND FITTINGS A. Rigid Steel Conduit ANSIC80.4 B. Rigid Aluminum Conduit ANSIC80.5 C. PVC Externally Coated Conduit ANS/NEMA RN-1 rigid steel conduit with external galvanized surface. D. Fittings and Conduit Bodies ANS/NEMA FB 1 threaded type, metallic metal conduit. 2.2 INTERMEDIATE METAL CONDUIT (IMC) AND FITTINGS A. Conduit Galvanized steel, UL 1242. B. Fittings and Conduit Bodies ANS/NEMA FB-1 use fittings and conduit bodies listed above for rigid steel conduit. 2.3 ELECTRICAL METALLIC TUBING (EMT) AND FITTINGS A. EMT ANSIC80.5 galvanized tubing. B. Fittings and Conduit Bodies ANS/NEMA FB-1 steel, compression or set screw type. 2.4 FLEXIBLE METAL CONDUIT AND FITTINGS A. Conduit 3/4" - 2" EMT steel. B. Fittings and Conduit Bodies ANS/NEMA FB-1. 2.5 LIQUIDTIGHT FLEXIBLE CONDUIT AND FITTINGS A. Conduit UL File 5223 galvanized steel flexible conduit with UL 580 PVC jacket. B. Fittings and Conduit Bodies ANS/NEMA FB-1. 2.6 RIGID NON-METALLIC CONDUIT AND FITTINGS A. Conduit NEMA TC 2 Schedule 40 PVC. B. Fittings and Conduit Bodies NEMA TC 3. 2.7 EXPANSION AND DEFLECTION COUPLINGS A. Expansion and deflection couplings UL 467 and UL 514 accommodate 0.75 inch deflection, expansion, or contraction in any direction 30 degree angular deflections, ultraviolet, corrosion-resistant and compatible with rigid conduit or IMC. 2.8 CONDUIT SUPPORTS A. Conduit Clamps, Straps, and Supports Steel malleable iron. 2.9 SEALANT A. Firestopping for approved manufacturers and requirements for firestopping systems and products. Products selected are to be based on tested UL designs. 2.10 PROTECTIVE COATINGS A. Permanent Coatings Asphaltic base liquid koppers Bitumastic 50. PART 3 - EXECUTION 3.1 CONDUIT SIZING, ARRANGMENT, AND SUPPORT A. Size as indicated on the Drawings, where size not shown, base on A.E.C. tables for conductors being installed. Use 3/4 inch trade size minimum for branch circuit home runs to panelboards, for conductors installed below grade and floor slabs. Minimum size for any conduit run 1/2 inch trade size. B. Arrange conduit to maintain 8" O'-minimum headroom and present a neat appearance. C. Hook horizontal runs of exposed conduit in stockrooms and shipping/receiving area above bottom chord of bar joists. D. Route conduit parallel and perpendicular to walls and adjacent piping. E. Maintain minimum 6 inch clearance between conduit and piping. Maintain 12 inch clearance between conduit and heat sources such as flues and heating appliances. Maintain minimum 2 inch clearance between conduit and bottom of roof deck. F. Arrange conduit supports to prevent distortion of alignment by wire pulling operations. Fasten conduit using one-hole galvanized straps with clamp hooks, by-rig adjustable hangers, clevis hangers, bolted split stamped galvanized hangers, or UL listed hanger. G. Run conduit in parallel with waterpiping and use conduit rack constructed of steel channel with conduit straps or clamps. Do not fasten conduit with wire or perforated pipe straps. Remove wire used for temporary conduit support during construction, before conductors are pulled. 3.2 CONDUIT INSTALLATION A. Cut conduit square using a saw or pipe cutter; remove and de-burr cut ends. B. Bring conduit to the shoulder of fittings and couplings and fasten securely. C. Use conduit hubs for fastening conduit to cast boxes, and for fastening conduit to sheet metal boxes in damp or wet locations. D. Install more than the equivalent of four 90-degree bends between boxes. E. Use conduit bodies to make sharp changes in direction, as around beams. F. Use hydraulic one-shot conduit bender or factory allows for bends in conduit 1/4" inch and larger. G. Avoid moisture traps where possible where unavoidable, provide junction box with drain fitting of conduit low point. H. Use suitable conduit caps to protect installed conduit against entrance of dirt and moisture. I. Provide no. 12 AWG insulated conductor or suitable pullstring in empty conduit, except sleeves and nipples. J. Install expansion fittings where conduit crosses building expansion or seismic joints. K. Where conduit penetrates fire-rated walls, provide pipe sleeve two sizes larger than conduit, sealing opening around conduit with fire rated sealant. L. Where conduit penetrates waterproofed foundation walls or floors, provide waterproof sleeves with waterproofing materials compatible with the waterproofing system being installed on surface being penetrated. M. Route conduit through roof openings for piping and ductwork where possible otherwise, route through roof membrane with flashing by roofing contractor. N. Do not cast conduit within floor slabs. O. Apply a continuous even coat of corrosion resistant coating on metallic conduit in contact with soil. P. Tape wrap or bitumastic paint to coat rigid steel factory above roof for bends in rigid metallic conduit runs below grade longer than 100 feet or which have 3 or more bends within the first 100 feet. Q. Use rigid nonmetallic conduit clean and dry before joining. Apply full even coat of cement to entire area that will be inserted into fitting. Let joint cure for period recommended by the manufacturer. R. Provide backfill material in accordance with Section 02205 for roof conduit installed in soil. 3.3 CONDUIT USES PERMITTED A. Underground Secondary Service Entrance installations from Transformer to service equipment Rigid steel conduit Plastic-coated rigid steel conduit Schedule 40 plastic conduit. B. Branch Circuit or Feeder installations Underground Rigid steel conduit Intermediate metal conduit Schedule 40 plastic conduit. C. Exposed Outdoor Locations Rigid steel conduit Intermediate metal conduit. D. Wet Interior Locations Rigid steel conduit Intermediate metal conduit Liquidtight flexible conduit in lengths not to exceed 18 inches. E. Concealed Dry Interior Locations Rigid steel conduit or rigid aluminum (2 trade size minimum) conduit Intermediate metal conduit Electrical metallic tubing. F. Exposed Dry Interior Locations Rigid steel where subject to physical damage and below five feet above floor in loading dock areas Intermediate metal conduit Electrical metallic tubing. G. Connections subject to vibration. 1. Dry Locations Provide flexible metal conduit for connections to transformers, motors, emergency generator and other vibrating equipment. 2. Wet Locations and Food Service Equipment Provide liquidtight flexible conduit. END OF SECTION

LI QUALITY REQUIREMENTS A. Section Includes 1. Electrical connections to equipment specified under other Sections. 2. Electrical connections to Owner-supplied equipment. L2 RELATED ITEMS A. Section 1610 - Conduit. B. Section 1630 - Electrical Connections for Equipment. C. Section 1635 - Electrical Identification. D. Section 1640 - Secondary Grounding. E. Section 1650 - Lighting Fixtures. L3 REFERENCES A. ANS/NEMA B3 - Annealed Bare Copper Conductor. B. NEMA WC 3 - Rubber-insulated Wire and Cable for the Transmission and Distribution of Electrical Energy. C. NEMA WC 5 - Thermoplastic-insulated Wire and Cable for the Transmission and Distribution of Electrical Energy. D. NFPA 70 - National Electrical Code. E. UL 44 - Standard for Rubber-insulated Wires and Cables. F. UL 83 - Standard for Safety of Thermoplastic-insulated Wire and Cable. L4 SUBMITTALS A. Acceptable Manufacturers 1. ISCO. 2. Telecote Penn-Union. 3. Burnly Corporation. B. Compression type Seams, one-piece, copper, size for conductor applied to. C. Compression type or split bolt connectors with stamped fittings with conductive paste. PART 2 - PRODUCTS 2.1 WIRE A. Thermoplastic-insulated Building Wire NEMA WC 5, UL 83, ANS/ASTM B3. B. Rubber-insulated Building Wire NEMA WC 3, UL 44, ANS/ASTM B3. C. Conductors Copper, 600 volt insulation, THHN/THWN or XHHW, stranded conductor. D. Conductors Copper 600V Insulation Type THHN or XHHW, stranded conductor. E. Stripping Poles Copper 600V Insulation Type MTW, stranded conductor, 30" C. PART 3 - EXECUTION 3.1 GENERAL WIRING METHODS A. Use no wire smaller than 10 AWG. B. Splice only in junction boxes or poles. C. Make conductor lengths for parallel conductors equal. 3.2 WIRING INSTALLATION IN RACEWAYS A. Pull conductors into a raceway of the same time. Use UL listed wire pulling lubricant for pulling 6 AWG and larger wires. B. Install wire in raceway after all mechanical work likely to injure conductors has been completed. C. Seal raceway system installed underground, 1/4" and larger, with sponge and drastring before installing conductors. 3.3 WIRING CONNECTIONS AND TERMINATIONS A. Use solderless pressure connectors with insulating covers for copper wire splices and taps for conductor size 8 AWG, for 10 AWG and smaller, use insulated spring wire connectors with plastic caps. B. Use split bolt connectors for splices and taps, 6 AWG and larger. Tape uninsulated conductors and connectors with electrical tape to 150 percent of the insulation value of conductor. C. Thoroughly clean wire and conductors. D. Make splices, taps and terminations to carry full ampacity of conductors without overheating or arcing. E. Terminate spare conductors with wire nuts and electrical tape. 3.4 FIELD QUALITY CONTROL A. Contractor shall inspect and test installation as follows: 1. Inspect wire and conductor connections and proper connection. 2. Torque test conductor connections and terminations to manufacturer's recommended values. 3. Perform continuity test by means of a megohm insulation tester. 4. Test each circuit insulation by manufacturer's insulation tester. Impose a voltage of no less than 500 volts DC upon the circuit being tested. Correct insulation deficiencies which show an insulation resistance of less than one megohm. Perform test with conductors connected to their respective terminals with switch or circuit breaker in the "off" position. END OF SECTION

LI QUALITY REQUIREMENTS A. Section Includes 1. Power system grounding. 2. Electrical equipment and raceway grounding and bonding. L2 SYSTEM DESCRIPTION A. Ground the electrical service system neutral service entrance equipment to supplementary grounding electrodes. B. Ground each separately-derived system neutral to nearest effectively grounded metallic water pipe or nearest effectively grounded building structural steel member. C. Bond together system neutrals, service equipment enclosure, exposed non-current-carrying metal parts of electrical equipment, metal raceway systems, grounding conductor in raceways and cables, receptacle ground connectors, and plumbing systems. L3 SUBMITTALS A. Submit complete set of marked up prints as record drawings to indicate installed location of system grounding electrode connections, and routing of grounding electrode conductors. B. Submit certified test results showing ground resistance from service neutral service entrance. PART 2 - PRODUCTS 2.1 MATERIALS A. Ground Rods Copper-clad steel, 5/8 inch diameter, minimum length 20 feet. B. Ground Clamps Water pipe connection, bronze two piece with serrated jaws, lug sized for grounding electrode conductor. C. Connectors, Compression Type Bronze or copper, pre-treated with conductive paste, sized for conductors to which applied. D. Connectors Exothermic Weld Type Powder actuated weld. Bond made through exothermic reaction producing molten copper from premixed copper oxide and aluminum powder. Form bond in mold or crucible. PART 3 - EXECUTION 3.1 INSTALLATION A. Provide one ground rod, driven with top a minimum of 24 inches below grade, if rock is encountered, bury rod in trench 30 inches minimum below grade. B. Provide grounding electrode conductors between ground bus in main distribution switchboard and the following grounding electrodes: 1. Ground Rods Make connection using suitable ground clamp. 3.2 FIELD QUALITY CONTROL A. Contractor shall inspect grounding and bonding system conductors and connections for tightness and proper installation. B. Measure ground resistance from system neutral service entrance to convenient ground reference point using suitable ground testing equipment. Resistance should not exceed 5 ohms. END OF SECTION

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AS-BUILT INFORMATION CONTRACTORS DATE: DATE: DATE: DATE: MICRO-FILM INFORMATION RECORDED BY: NO.

BENCH MARKS NO. DATE BY

SURVEY INFORMATION FIELD NOTES NO. DATE BY

ENGINEER'S SEAL NO. DATE BY

REVISIONS DESIGN NO. DATE BY

DESIGNED BY: CJC DRAWN BY: CJC CHECKED BY: BEB DATE: 12/19/2004 DATE: 12/19/2004 DATE: 12/19/2004

TARGET REVIEWED BY: Development Manager [] Not Reviewed [] Approved as Noted [] Approved [] Project Architect [] Not Reviewed [] Approved as Noted [] Approved [] Project Engineer (M) [] Not Reviewed [] Approved as Noted [] Approved [] Project Engineer (E) [] Not Reviewed [] Approved as Noted [] Approved [] Project Engineer (S) [] Not Reviewed [] Approved as Noted [] Approved [] Approved only for conformance of the site construction documents to Target Developer Guide, Edition 2.4 and the Target building documents. Consultant is solely responsible for completeness, accuracy, and dimensions on the site construction documents.

RICHARD L.J. KLUZAK PROFESSIONAL ENGINEER 111 HWY. 25 NORTH BUFFALO, MN 55313 PHONE: (763) 684-1548

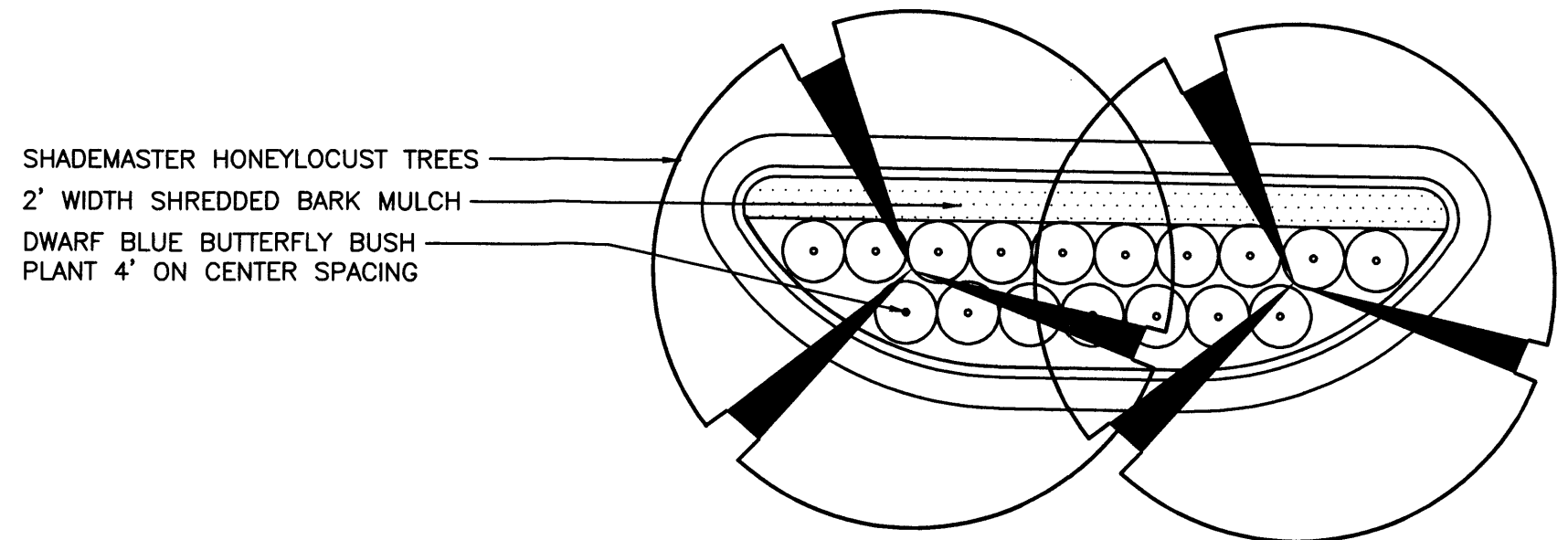
ON SITE LIGHTING & SURVEY, LLC 111 HWY. 25 NORTH BUFFALO, MN 55313 PHONE: (763) 684-1548 FAX: (763) 682-9048

Wade-Trim 1100 Superior Avenue, Suite 1410 Woodland, WI 44114 216.363.0300 FAX: 216.363.0303 www.wadetrим.com

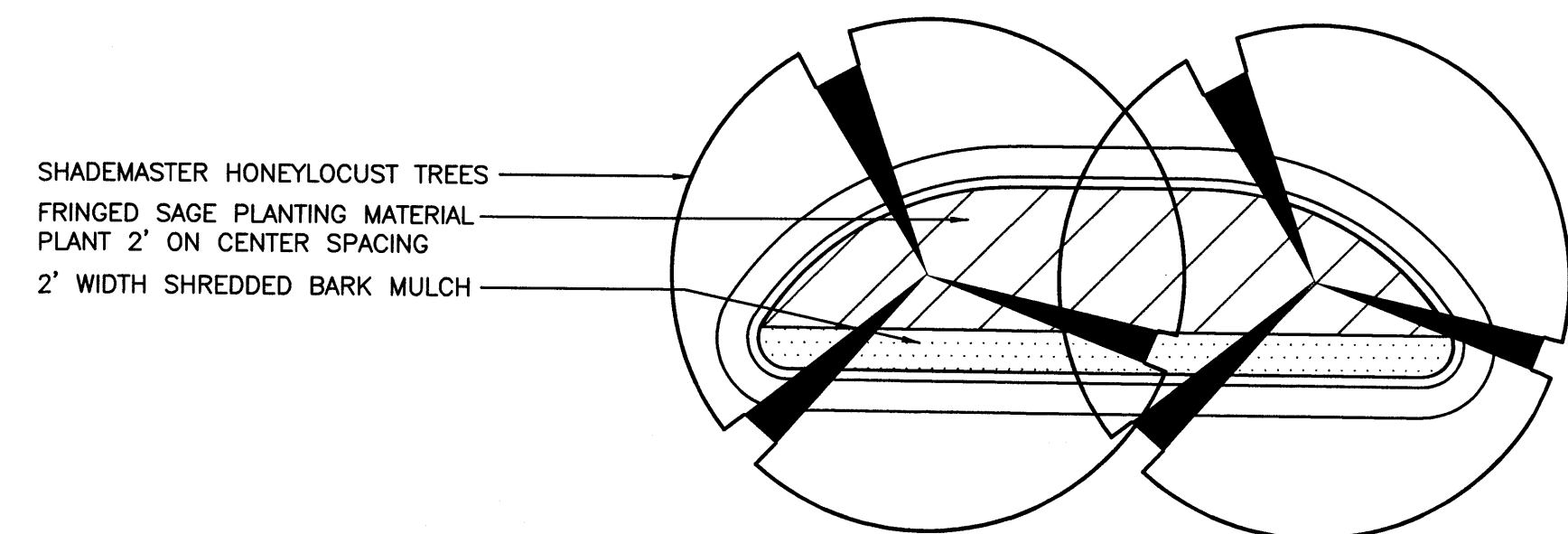
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP TARGET - NE ALBUQUERQUE SITE ELECTRICAL NOTES DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL LAST DESIGN UPDATE MO/DAY/YR SHEET OF CITY PROJECT NO. XXXXXX MAP NO. D-18 SHEET OF 10.2 17

LANDSCAPING NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATING THE EXTENT AND LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR PROTECTION AND RESTORATION OF THE SAME (TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION), AT HIS/HER EXPENSE IF DAMAGED AS A RESULT OF HIS/HER OPERATIONS. THE LOCATION OF UTILITIES DELINEATED ON THE PLANS ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO LOCATION, TYPE, OR EXTENT.
- 2. CONTRACTOR SHALL CALL NEW MEXICO ONE CALL SYSTEM INC. (800.321.2537) A MIN. OF THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
- 4. ALL PLANTS TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN LANDSCAPE STANDARDS.
- 5. ANY SUBSTITUTIONS OF PLANT MATERIAL OR ALTERATION IN PLANT SIZES OR SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER IN ADVANCE OF PLACEMENT.
- 6. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY PLANT MATERIALS ON SITE.
- 7. THE CONTRACTOR SHALL PROVIDE A PLANTING MIX CONSISTING OF 67% TOPSOIL AS SPECIFIED, AND 33% PEAT MOSS.
- 8. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
- 9. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY THE ENGINEER.
- 10. ALL TREES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
- 11. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANTS ORIGINAL GRADE BEFORE DIGGING.
- 12. ALL PLANTS SHALL BE BALLED AND WRAPPED UNLESS OTHERWISE NOTED.
- 13. AT PLANTING TIME, ALL DECIDUOUS TREES SHALL BE THINNED BY REMOVING A BALANCED ONE-THIRD OF THE VEGETATIVE MATERIAL AND "HEADED UP" TO PROVIDE 7-FOOT UNDER CLEARANCE.
- 14. ALL PLANTS SHALL BE INSTALLED AS PER THE APPLICABLE DETAILS AND THE CONTRACT SPECIFICATIONS.
- 15. ALL PLANTS SHALL BE LOW VELOCITY WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING.
- 16. PLANT SIZES SHALL BE THE MINIMUM STATED ON THE PLANT LIST OR LARGER. ALL MEASUREMENTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "A.A.N. STANDARDS FOR NURSERY STOCK."
- 17. CONTRACTOR SHALL BE RESPONSIBLE FOR VIEWING THE SITE PRIOR TO BIDDING, MAKING NOTE OF ANY SPECIAL CONDITIONS THAT WOULD BE OF A CONCERN TO THIS PART OF THE CONTRACT.
- 18. ALL PLANT MATERIALS, PLANT MIX, FERTILIZER, COMPOST, AND MULCHING MATERIALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLANTING. THE CONTRACTOR SHALL SUBMIT PLANTING MATERIAL SOURCES TO THE ENGINEER FOR APPROVAL A MINIMUM OF SEVEN (7) DAYS PRIOR TO THEIR DELIVERY.
- 19. THE CONTRACTOR AGREES TO MAINTAIN AND GUARANTEE ALL PLANT MATERIALS FOR THE PERIOD OF TWO YEARS, FOLLOWING AT PROJECT COMPLETION. AT THAT TIME, THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT FOR A FINAL INSPECTION. PLANT MATERIALS WITH 25% DIE BACK AS DETERMINED BY THE OWNER'S REPRESENTATIVE SHALL BE REPLACED. THIS GUARANTEE INCLUDES THE FURNISHING OF NEW PLANTS, LABOR, MATERIALS, AND RESTORATION OF SITE. ALL PLANTS REPLACED BY THIS GUARANTEE SHALL COMPLY TO THESE PLANS AND SPECIFICATIONS.
- 20. ALL PLANT MATERIALS, PLANT MIX, FERTILIZER, COMPOST, AND MULCHING MATERIALS SHALL BE MAINTAINED BY THE OWNER AFTER THE TWO YEAR WARRANTY PERIOD. IT SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY OF ALBUQUERQUE INCLUDING PLANT REPLACEMENT FOR ANY PLANTS THAT DIE AFTER THE WARRANTY PERIOD.
- 21. ALL ON SITE TOPSOIL SHALL BE STOCKPILED, SCREENED, AND REUSED FOR ALL BUFFALOGRASS LAWN AREAS. THE DEPTH OF REINSTALLED TOPSOIL SHALL BE 6" MINIMUM, AND SHALL BE FREE OF ROCKS OR ANY DEBRIS OVER 1/2" DIAMETER IN ANY DIRECTION.
- 22. RESPONSIBILITY FOR MAINTAINCE WILL BE BY TARGET
- 23. THESE PLANS ARE IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION ORDINANCE, ARTICLE 6-1-1
- 24. IRRIGATION SYSTEM WILL BE PROVIDED TO IRRIGATE LANDSCAPED AREAS. SPECIFIC DESIGN OF IRRIGATION SYSTEM WILL BE PROVIDED BY CONTRACTOR. SHOP DRAWINGS WILL BE REVIEWED BY ENGINEER AND OWNER



1 Typical Landscape Island Near Building Entrance
C11.1 NO SCALE



2 Typical Landscape Island in Parking Lot
C11.1 NO SCALE

TARGET REVIEWED BY:

Development Manager Not Reviewed Approved as Noted Approved

Project Architect Not Reviewed Approved as Noted Approved

Project Engineer (M) Not Reviewed Approved as Noted Approved

Project Engineer (E) Not Reviewed Approved as Noted Approved

Project Engineer (S) Not Reviewed Approved as Noted Approved

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CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TARGET — NE ALBUQUERQUE
 LANDSCAPE DETAILS

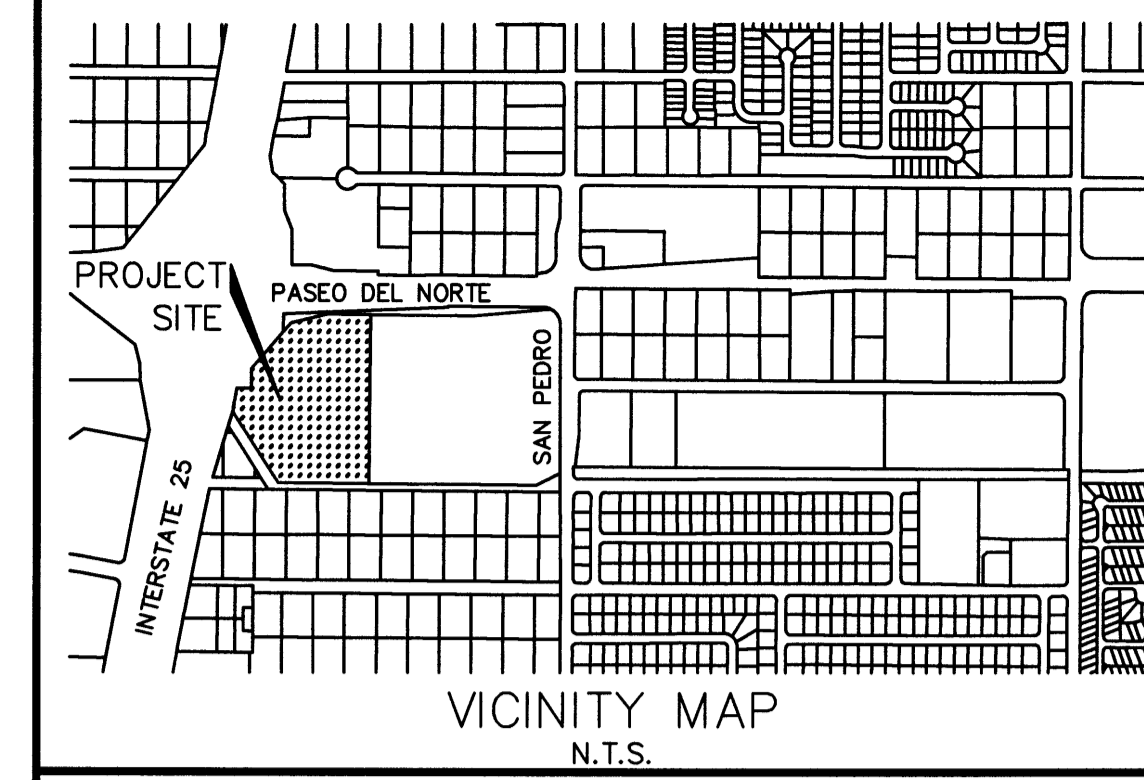
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR
		LAST DESIGN UPDATE	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
ISSUED BY	DATE	RMB	DATE	PER CITY COMMENTS	DATE	REVISIONS	DATE
INSPECTOR	DATE	BCL	DATE	REMARKS	DATE	DESIGN	DATE
FIELD	DATE	BY	DATE		DATE		DATE
APPROVED BY	DATE	REVISIONS			DESIGNED BY: RMB		DATE: 7/01/04
RECORDED BY	DATE				DRAWN BY: BCL		DATE: 7/01/04
					CHECKED BY: BEB		DATE: 7/01/04

TARGET - NE ALBUQUERQUE

SITE DEVELOPMENT PLANS

- THE CITY OF ALBUQUERQUE STATE OF NEW MEXICO



PROPOSED LEGEND

DESCRIPTION	PROPOSED
SANITARY SEWER LINE	
ENCASEMENT	
SANITARY SEWER MANHOLE	
SAS SERVICE CONNECTION	
STORM DRAIN LINE	
STORM DRAIN MANHOLE	
STORM DRAIN INLET	
WATER LINE	
GATE VALVE	
BUTTERFLY VALVE	
FIRE HYDRANTS	
REDUCERS	
WATER SERVICE CONNECTION	
TEES	
CROSSES	
BENDS	
CAPS AND PLUGS	
CURB AND GUTTER	
SIDWALK	
PAVEMENT	
UNDERGROUND ELECTRIC	
BLOCK WALL	
CHAIN LINK FENCE	
FIELD FENCE	
CONTOUR LINES	
SIDE SLOPE	
SWALE	
SPOT ELEVATIONS	
RIGHT OF WAY LINES	
PROPERTY LINES	
CENTER LINES	
PUBLIC EASEMENTS	

EXISTING LEGEND

DESCRIPTION	EXISTING
PROPOSED BOUNDARY LINE	
EXISTING EASEMENT	
CURB & GUTTER	
FLOWLINE	
CONCRETE PAD	
EDGE OF PAVEMENT	
EDGE OF CHANNEL	
EDGE OF SIDEWALK	
DTM BREAKLINE	
SANITARY SEWER MANHOLE	
STORM DRAIN MANHOLE	
WATER VALVE	
FOUND HUB & TACK	
FOUND REBAR WITH CAP	
SIGNAL POLE	
TOP OF PAVEMENT SHOT	
SIGN	
DROP INLET	
ELECTICAL PULLBOX	
GROUND SHOT	
METAL LIGHT POLE	

INDEX OF SHEETS

1.0	TITLE SHEET
2.0	ALTA/ASCM TITLE SURVEY (BY OTHERS)
3.0	GRADING PLAN
4.0	SESC AND SWPP PLAN
4.1	SESC & SWPP PLAN DETAILS
5.0	OVERALL SITE PLAN
6.0	UTILITY PLAN
7.0	STORM DRAINAGE PLAN
8.0	SITE PLAN
8.1	SITE PLAN DETAILS
8.2	STAGING PLAN
9.0	PAVEMENT PLAN
10.0	SITE LIGHTING PLAN
10.1	SITE CIRCUIT PLAN
10.2	SITE ELECTRIC NOTES
11.0	LANDSCAPING PLAN
11.1	LANDSCAPING NOTES & DETAILS

PROJECT NUMBER: 1001946

Application Number: 04DRB-01670

This plan is consistent with the specific Site Development Plan approved by the Environmental Planning Commission (EPC), dated August 19, 2004 and the Findings and Conditions in the Official Notification of Decision are satisfied.

Is an Infrastructure List required? () Yes (X) No If yes, then a set of approved DRC plans with a work order is required for any construction within a Public Right-of-Way or for construction of public improvements.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL:

Traffic Engineering, Transportation Division	Date
Utilities Development	Date
Parks and Recreation Department	Date
City Engineer	Date
* Environmental Health Department	Date
Solid Waste Management	Date
DRB Chairperson, Planning Department	Date

* Environmental Health, if necessary

ARCHITECT: TARGET
ENGINEER: WADE-TRIM
OWNER: TARGET

ALL WORK, MATERIALS, EQUIPMENT, INSTALLATION, TESTING, ETC. SHALL COMPLY WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION MANUAL, DATED 1986, AS AMENDED, AND THE CITY OF ALBUQUERQUE STANDARD DETAILS.



REVIEWED BY:

Development Manager	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Architect	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (M)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (E)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (S)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved

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SITE ADDRESS:
6200 PASEO DEL NORTE
ALBUQUERQUE, NEW MEXICO 87109

"The subject property is located near a former landfill. Due to the subject property being near a former landfill, certain precautionary measures may need to be taken to ensure the health and safety of the public. Recommendations made by a professional engineer with expertise in landfills and landfill gas issues (as required by the most current version of the Interim Guidelines for Development within City Designated Landfill Buffer Zones) shall be consulted prior to development of the site"

AEHD Engineer Approval:

UTILITY COMPANY CONTACTS

CITY OF ALBUQUERQUE
Senior Planner
Russel Brito
P.O. Box 1293
Albuquerque, New Mexico 87103
Ph: (505) 924-3860
Fax: (505) 924-3339

CITY OF ALBUQUERQUE
Transportation Development
Tony Loyd
600 2nd St. NW.
Albuquerque, New Mexico 87102
Ph: (505) 924-3994

CITY OF ALBUQUERQUE
Water and Sewer
Jack McDonough
600 2nd St. NW.
Albuquerque, New Mexico 87102
Ph: (505) 924-3987

CITY OF ALBUQUERQUE
Hydro Development
Carlos Montoya
600 2nd St. NW.
Albuquerque, New Mexico 87102
Ph: (505) 924-3982

PNM - Electric
Engineering Representative
4201 Edith Blvd. NE
Albuquerque, New Mexico 87107
Ph: (505) 241-3334
Fax: (505) 241-3620

PNM - GAS Co. of NM
Planning Engineer
4625 Edith Blvd., NE MS-GS66
Albuquerque, New Mexico 87107
Ph: (505) 241-7745
Fax: (505) 241-7753

QUEST/US WEST
Capacity Provisioning Specialist
201 Third Street NW, Suite 700
Albuquerque, New Mexico 87102
Ph: (505) 245-8706
Fax: (505) 245-6831

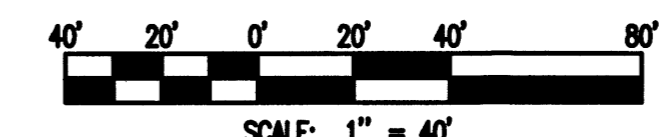
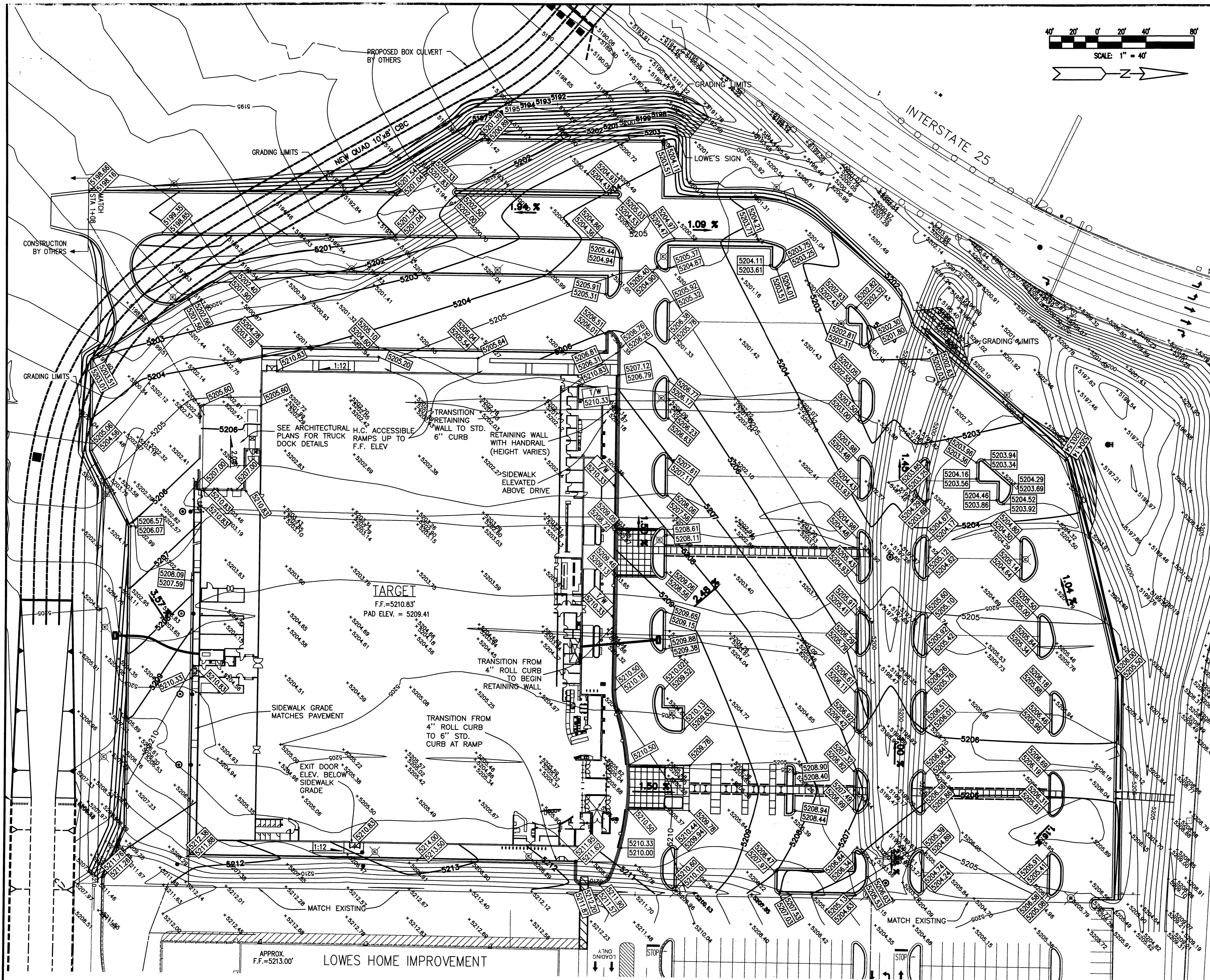


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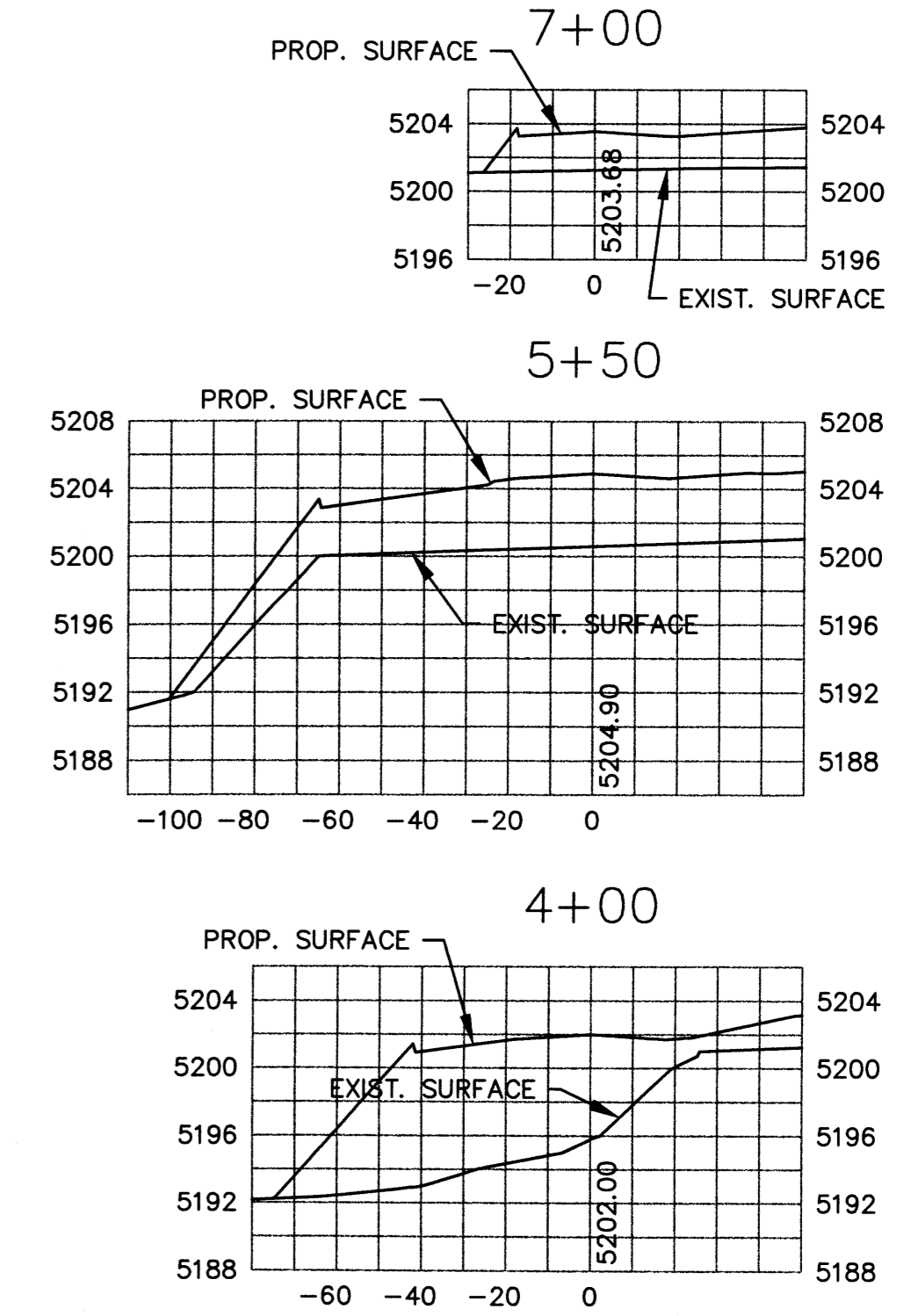
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REV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chariman				APPROVED FOR CONSTRUCTION	
		Transportation					
		Water/Wastewater					
		Hydrology					
		CIP					
		Const. Mngmt.				City Engineer	
		Const. Coord.				Date	
DRB CASE NUMBER		CITY PROJECT NO.		SHEET		OF	
1001946		XXXXXX		1.0		17	



LEGEND

DESCRIPTION	EXISTING	PROPOSED
STORM MANHOLE		⊙
SPOT ELEVATIONS	× 1234.56	× 1234.56
1' INTERVAL CONTOUR	— 1064 —	— 1064 —
5' INTERVAL CONTOUR	— 1065 —	— 1065 —
LIMITS OF CONSTRUCTION		---
LIMITS OF GRADING		---
CONCRETE CURB		— U —
LIGHTPOLE	⊗	⊗
BUILDING	▭	▭
BENCH MARK	⊕	⊕



TARGET

Development Manager: Not Reviewed Approved as Noted Approved

Project Architect: Not Reviewed Approved as Noted Approved

Project Engineer (M): Not Reviewed Approved as Noted Approved

Project Engineer (E): Not Reviewed Approved as Noted Approved

Project Engineer (S): Not Reviewed Approved as Noted Approved

REVIEWED BY:

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TARGET - NE ALBUQUERQUE
GRADING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR
CITY PROJECT NO.	MAP NO.	SHEET	OF
XXXXXX	D-18	3.0	17

NOTE: LOCATE LOWES ELECTRIC LINE THAT IS SERVICING THEIR SIGN ALONG TARGET'S WEST PROPERTY LINE AND RELOCATE AS NECESSARY.

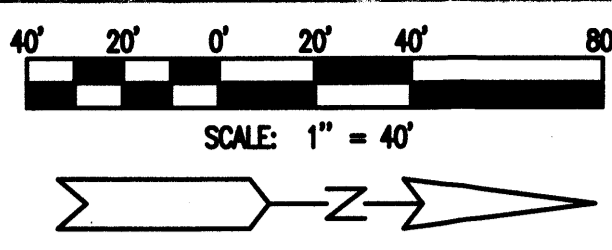
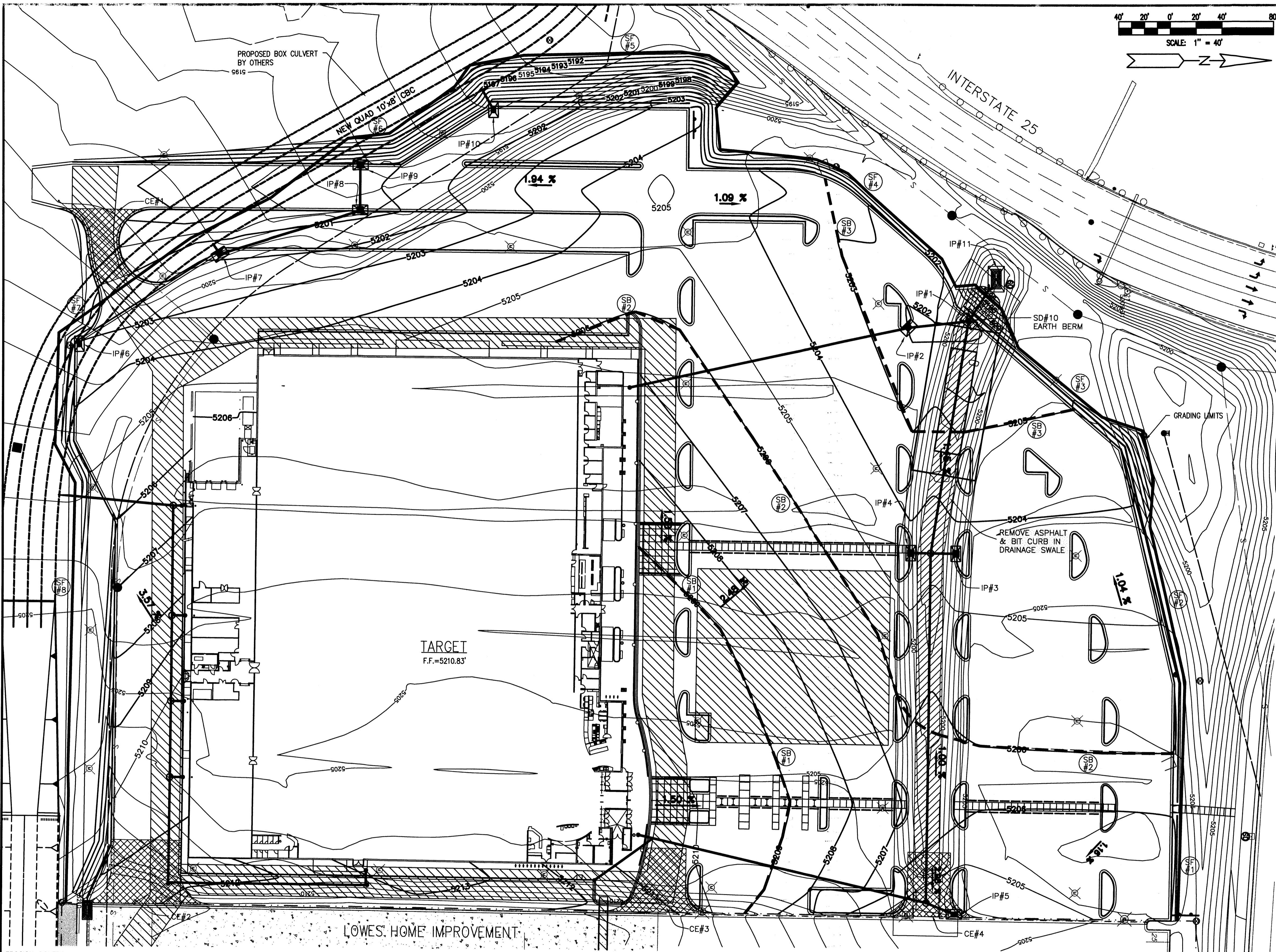
FOR GRADING AND COMPACTION SPECIFICATIONS SEE DRAFT GEOTECHNICAL REPORT PREPARED BY KLEINFELDER AND DATED SEPTEMBER 29, 2003, WHICH SUPERSEDES THE CITY OF ALBUQUERQUE.

EXISTING TOPOGRAPHY CONDITIONS
 THE EXISTING TOPOGRAPHY CONSISTS OF A SITE THAT IS GRADED AT ABOUT A 1% SLOPE FROM EAST TO WEST. THERE IS A 6 FOOT DIFFERENCE IN ELEVATION BETWEEN THE LOWES AND TARGET SITE AT THE EAST PROPERTY LINE. A PAVED DRAINAGE SWALE CURRENTLY SERVES THE STORM RUNOFF FROM LOWES AND RUNS ACROSS TARGET'S PROPERTY FROM EAST TO WEST.

PROPOSED GRADING
 THE PROPOSED GRADING PLAN CONSISTS OF ELEVATING THE SITE BY IMPORTING FILL. THE MAXIMUM GRADES ACROSS THE PARKING LOT ARE 3% AND THE MINIMUM GRADES ARE 1%. HOWEVER, IN ORDER TO MATCH LOWES SITE ALONG THE EAST PROPERTY LINE A 4% MAXIMUM GRADE IS USED. THE DRAINAGE SWALE IN THE NORTH PART OF THE SITE WILL BE ENCLOSED AND A 36" CONDUIT WILL BE INSTALLED TO HANDLE THE STORM RUNOFF FROM LOWES AND TARGET. ALL OF THE LOW POINTS OF THE PARKING AREA DRAIN TO CATCH BASINS THAT DRAIN TO EITHER THE CULVERT TO THE NORTHWEST OF THE SITE OR THE LARGE BOX CULVERT TO THE SOUTH OF THE SITE.

DESCRIPTION
 A CERTAIN TRACT OF LAND SITUATE WITHIN THE ELENA GALLEGOS GRANT, IN PROJECTED SECTION 24, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, BEING THE WESTERLY PORTION OF TRACT A-1, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT OF TRACTS A-1 AND A-2, LOS ANGELES CENTER RECORDED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JUNE 20, 1997 IN VOLUME 97C, FOLIO 198, AS DOCUMENT NUMBER 97062853 AND BEING MORE PARTICULARLY DESCRIBED BY NEW MEXICO GRID BEARINGS (CENTRAL ZONE NAD 1927) AND GROUND DISTANCES AS FOLLOWS:

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE:	NO.	BY	NO.	BY	NO.	BY
WORK ORDER	DATE:	NO.	BY	NO.	BY	NO.	BY
ISSUED BY	DATE:	NO.	BY	NO.	BY	NO.	BY
APPROVED BY	DATE:	NO.	BY	NO.	BY	NO.	BY
FIELD CHECKED BY	DATE:	NO.	BY	NO.	BY	NO.	BY
DRAWN BY	DATE:	NO.	BY	NO.	BY	NO.	BY
CHECKED BY	DATE:	NO.	BY	NO.	BY	NO.	BY
RECORDED BY	DATE:	NO.	BY	NO.	BY	NO.	BY
NO.	DATE:	NO.	BY	NO.	BY	NO.	BY



LEGEND

DISCRPTION	EXISTING	PROPOSED
STORM SEWER		18" STM
STORM MANHOLE		⊙
GRATE INLET		■
1' INTERVAL CONTOUR	—1064—	—1064—
5' INTERVAL CONTOUR	—1065—	—1065—
LIMITS OF CONSTRUCTION		- - -
FABRIC SILT FENCE		(SF)
STRAW BALE SILT CHECK		(SB)
DROP INLET PROTECTION		(DI)
LIMITS OF GRADING		- - -
CONCRETE CURB		U
SEDIMENT BASIN		(SB)

EROSION CONTROL AND STORMWATER POLLUTION PREVENTION NOTES:

- The contractor is to ensure that no soil erodes from the site onto adjacent property or public right-of-way. This should be achieved by implementing Best Management Practices (BMP's) to protect the soil from wind, and water erosion.
- During the months of July, August or September, any grading within or adjacent to a watercourse defined as a major facility shall provide for erosion control and safe passage of the 10-year design storm runoff during the construction phase.
- Contractor shall conform to all City, County, State and Federal dust control and stormwater pollution prevention requirements and is responsible for preparing and obtaining all necessary applications, permits and approvals.
- All grades areas which do not receive a final surface treatment will be revegetated in accordance with COA Standard Specification 1012 and the Landscape Specifications.
- Contractor shall obtain and abide by a Topsoil Disturbance Permit from the City of Albuquerque. The cost for required construction dust and erosion control measures shall be incidental to the project cost.

STANDARD DETAILS REFERENCED ON THESE PLANS AND TO BE USED:
 Hay Bale Silt Check
 Type 1 Silt Fence
 Sediment Basin
 Curb Drop Inlet Protection

TOTAL AREA TO BE DISTURBED = 10.97 ac

CONSTRUCTION SCHEDULE & PHASING NOTES

ACTIVITY	SCHEDULE
Construct stabilized construction entrances, CE#1, CE#2, & CE#3. Place inlet protection, IP#11. Install silt fence, SB#1-#8. Install drainage structure SD#10 and earth berm. Install one length of pipe for each section entering the structure. Cap the ends. Create trash grate over top opening of structure.	Prior to moving any earth on the project site. Obtain INSPECTOR approval.
Import fill for parking lot, except for swale. Construct building pad.	After installation of silt fence
Adjust or re-construct stabilized construction entrances. Remove swale pavement.	After importing fill and rough grading.
Construct hay bale filters, SB#1-SB#3.	After rough grading and if there will be a period of time (2 weeks) before importing aggregate base for the parking lot.
Construct storm sewer piping and structures.	After importing fill and rough grading.
Import fill and fill swale.	After construction of storm sewer piping and structures.
Place inlet protection, IP#1-#10.	After installation of storm sewer piping and structures.
Stabilize slopes around perimeter of parking lot per landscape plan.	Within 2 weeks after rough grading.
Import aggregate base for new pavement.	After constructing new curbs.
Place new pavement.	After importing aggregate base.
Construct new walks.	After placing new pavement.
Complete remaining landscaping work items.	After constructing new walks.
Removal of erosion control features.	Erosion control features may not be removed until 75% of the upstream area has been fully developed. Full development shall mean installation of pavements, buildings, utilities, landscaping, and fully established permanent seeding. Furthermore, INSPECTOR approval must be attained before the removal of any erosion control features.

EROSION CONTROL FEATURES MAINTENANCE SCHEDULE

The following Erosion Control Features Maintenance Schedule has been provided. The INSPECTOR shall perform the inspections. The CONTRACTOR shall also perform all needed maintenance. Furthermore, all erosion control features requiring maintenance may not be listed below. The CONTRACTOR and INSPECTOR must perform their respective duties on all erosion control features that are not listed below as well.

- Silt Fence** - Silt fence should be inspected weekly and after major rain events to ensure that the device is functioning properly. Remove sediment from behind fence when the depth of sediment has built up to 1/3 the height of the fence above grade. Inspect the base of the fence to ensure that no gaps have developed and re-trench as necessary. Inspect fence posts to ensure that they are properly supporting the fence. Straighten, reset and add posts if necessary. If filter fabric is ripped, damaged or deteriorated, replace it in accordance with the original specifications and details.
- Stabilized Construction Entrance** - Inspections must be made weekly and after rainstorm events to ensure that the device is functioning properly. When sediment or mud has clogged the void spaces between the stones that the device is functioning properly. Inspect the aggregate pad must be washed down or replaced. Runoff from the wash down operation shall not be allowed to drain directly off site without first flowing through another erosion control feature to control off-site sedimentation. Periodic regrading or the addition of new stone may be required to maintain the efficiency of the installation.
- Sediment Basin** - Inspections must be made weekly and after rainstorm events to ensure that the sedimentation basins are functioning properly. Clean out sediment and dispose of properly when the sediment storage volume is 4/5 full. Clean or replace filter stone when stone becomes clogged with sediment or facility will no longer drain properly. Check outlet of spillway barrel and downstream toe of dam to ensure that water is not flowing under the dam or along the outside edge of the spillway pipe.

Check downstream channel, overflow channel for erosion and gullies, and repair as needed.

- Temporary Diversions** - Inspect diversions weekly or immediately after rainfall events. Particular attention must be paid to areas where sediment builds up in the channel, areas where vehicles have crossed or caused damage, areas where the ridge begins to erode, and any areas where flow overtops the ridge. Sediment in the channel shall be promptly removed and damaged areas of the ridge shall be stabilized by appropriate methods. Methods of stabilization may include the following or any combination of the following: netting, mulching, temporary seeding, or the flattening of the side slopes. Diversions to be left in place for more than 30 days should be stabilized by establishing temporary ground cover.
- Inlet Protection** - Inlet Protection should be inspected weekly and after major rain events to ensure that the device is functioning properly. Remove sediment from the storage area when the depth of sediment has built up to one-half of the storage depth. If de-watering of the storage volume is not occurring, clean or replace the filter stone. Clean the filter stone surface the first few times by raking. Repeated sediment build-up will require filter stone replacement.
- Erosion Control Matting** - Inspect the erosion control matting installations weekly and after all rainfall events to ensure that the facilities are functioning properly and have not been displaced by runoff. Particular attention must be paid to the upstream side of channel linings and slope protection, as well as the joints between adjacent mats. Repair any damaged areas promptly and replace any displaced matting. Additional staking may be required on steeper slopes and in channel bottoms.
- Channels and Ditches** - Inspect channels and ditches weekly and after every rain event. Check for erosion and sediment buildup and repair as needed. Particular attention must be given to side slopes, embankments at pipe inlets and outlets, and condition of the vegetative stabilization.



REVIEWED BY:

Development Manager	___ Not Reviewed ___ Approved as Noted ___ Approved
Project Architect	___ Not Reviewed ___ Approved as Noted ___ Approved
Project Engineer (M)	___ Not Reviewed ___ Approved as Noted ___ Approved
Project Engineer (E)	___ Not Reviewed ___ Approved as Noted ___ Approved
Project Engineer (S)	___ Not Reviewed ___ Approved as Noted ___ Approved

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TARGET - NE ALBUQUERQUE
SESC & SWPP PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR
LAST DESIGN UPDATE			
CITY PROJECT NO. XXXXXX	MAP NO. D-18	SHEET 4.0	OF 17

AS-BUILT INFORMATION	
CONTRACTOR	NO.
DATE:	
BENCH MARKS	
NO.	DATE
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY
	DATE
ENGINEER'S SEAL	
RMB	BCL
SUBMITTED TO DRB	PER CITY COMMENTS
NO.	DATE
REVISIONS	DESIGN
DATE: 7/01/2004	DATE: 7/01/2004
DATE: 7/01/2004	DATE: 7/01/2004
DESIGNED BY: RMB	DRAWN BY: BCL
CHECKED BY: BEB	DATE: 7/01/2004

NOTES:

- SANITARY FACILITIES ARE REQUIRED FOR ALL WORK SITES OR CONSTRUCTION AREAS. DOMESTIC WASTE HAULERS SHOULD BE CONTRACTED TO REGULARLY REMOVE WASTES AND MAINTAIN FACILITIES IN GOOD WORKING ORDER.
- CONTRACTOR SHALL MAINTAIN EQUIPMENT TO PREVENT ON AND OFF-SITE CONTAMINATION THROUGH SPILLS, LEAKS, ETC.
- CONCRETE WASHOUT AREAS SHALL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. PREVENT RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE. WASH OUT WASTES INTO TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
- USE WATERTIGHT DUMPSTERS FOR ONSITE TRASH. PROVIDE AND ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER THE CONTAINERS TO KEEP RAIN OUT OR TO PREVENT LOSS OF WASTE DURING WINDY CONDITIONS. COLLECT SITE TRASH DAILY. REMOVE ANY WASTE OR LITTER THAT COLLECTS IN EROSION OR SEDIMENT CONTROL DEVICES PROMPTLY. TOXIC LIQUID WASTES AND CHEMICALS (USED OILS, PAINTS, ACIDS, PESTICIDES, ETC.) SHALL NOT BE DISPOSED OF IN DUMPSTERS DESIGNATED FOR DEBRIS. DO NOT HOSE OUT DUMPSTERS ONSITE.
- PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM HAZARDOUS WASTE THROUGH PROPER MATERIAL USE AND WASTE DISPOSAL. USE ALL OF THE PRODUCT BEFORE DISPOSING OF THE CONTAINER. DO NOT REMOVE ORIGINAL LABELS FROM HAZARDOUS MATERIALS. DO NOT OVER-APPLY HERBICIDES AND PESTICIDES. DO NOT CLEAN OUR PAINT BRUSHES OR RINSE PAINT CONTAINERS INTO THE DIRT, GUTTER, STORM DRAIN OR STREAM. SELECT DESIGNATED HAZARDOUS WASTE COLLECTION AREAS ONSITE. ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES TO REDUCE THE AMOUNT OF DUST LEAVING THE SITE. PROVIDE COVERS FOR TRUCKS CARRYING MATERIALS THAT MAY CONTRIBUTE DUST. IMPLEMENT DUST CONTROL MEASURES FOR MATERIAL STOCKPILES, AND PROVIDE FOR WET SUPPRESSION OR CHEMICAL STABILIZATION OF EXPOSED SOILS.

Stabilized Construction Entrance/Exit

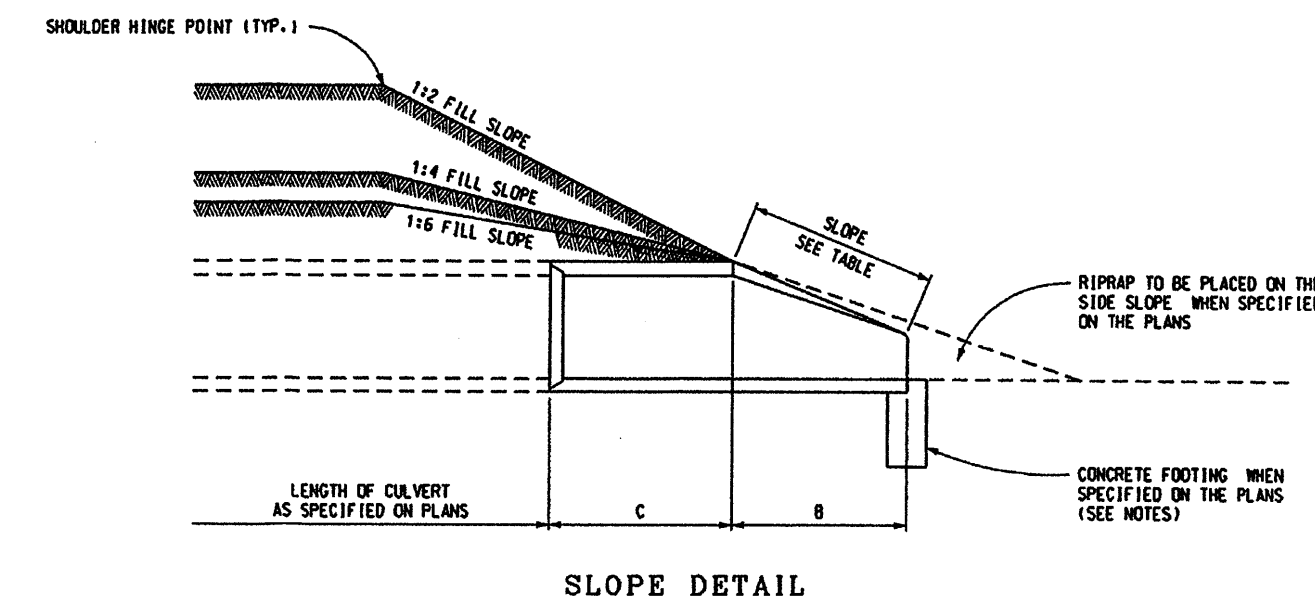
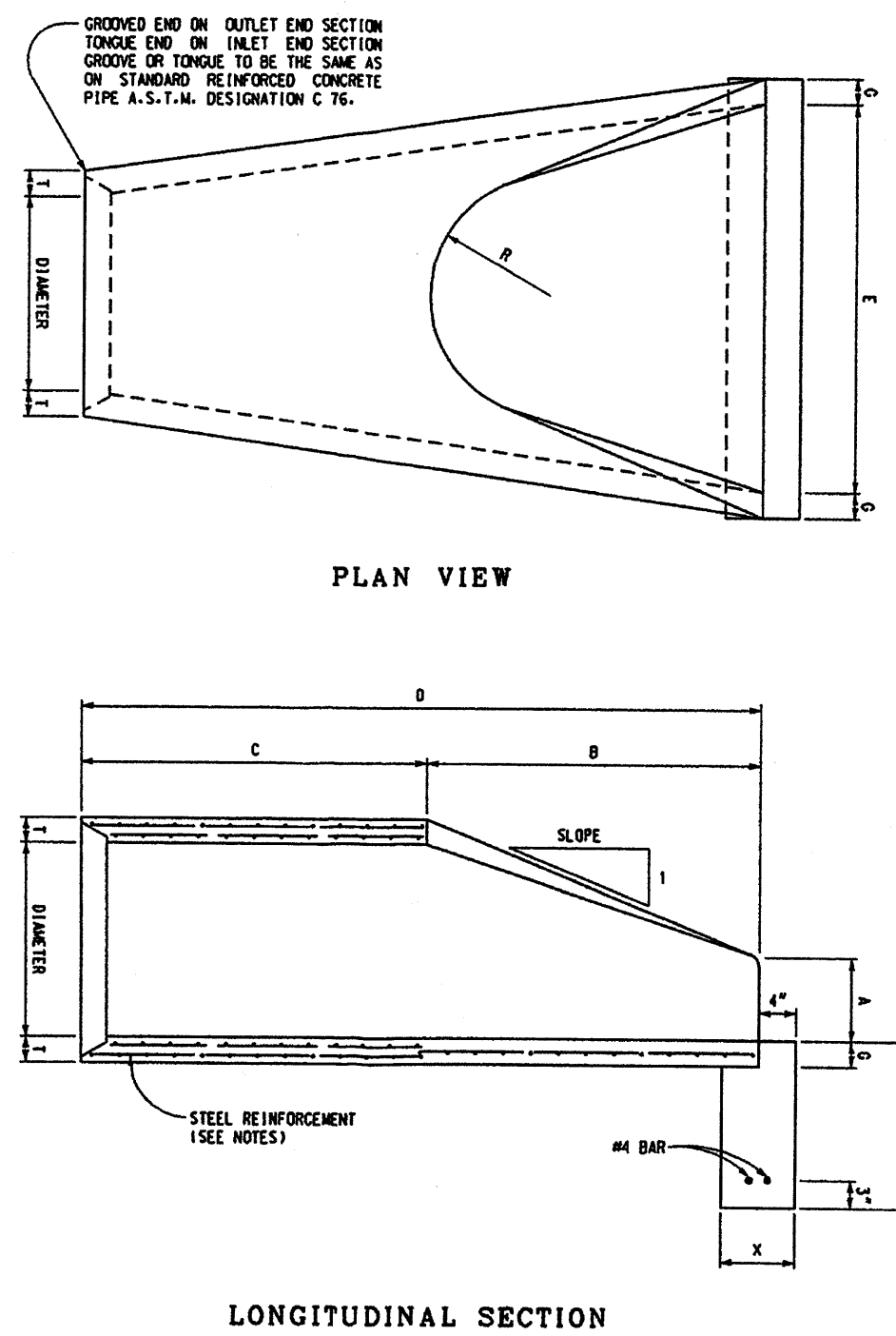
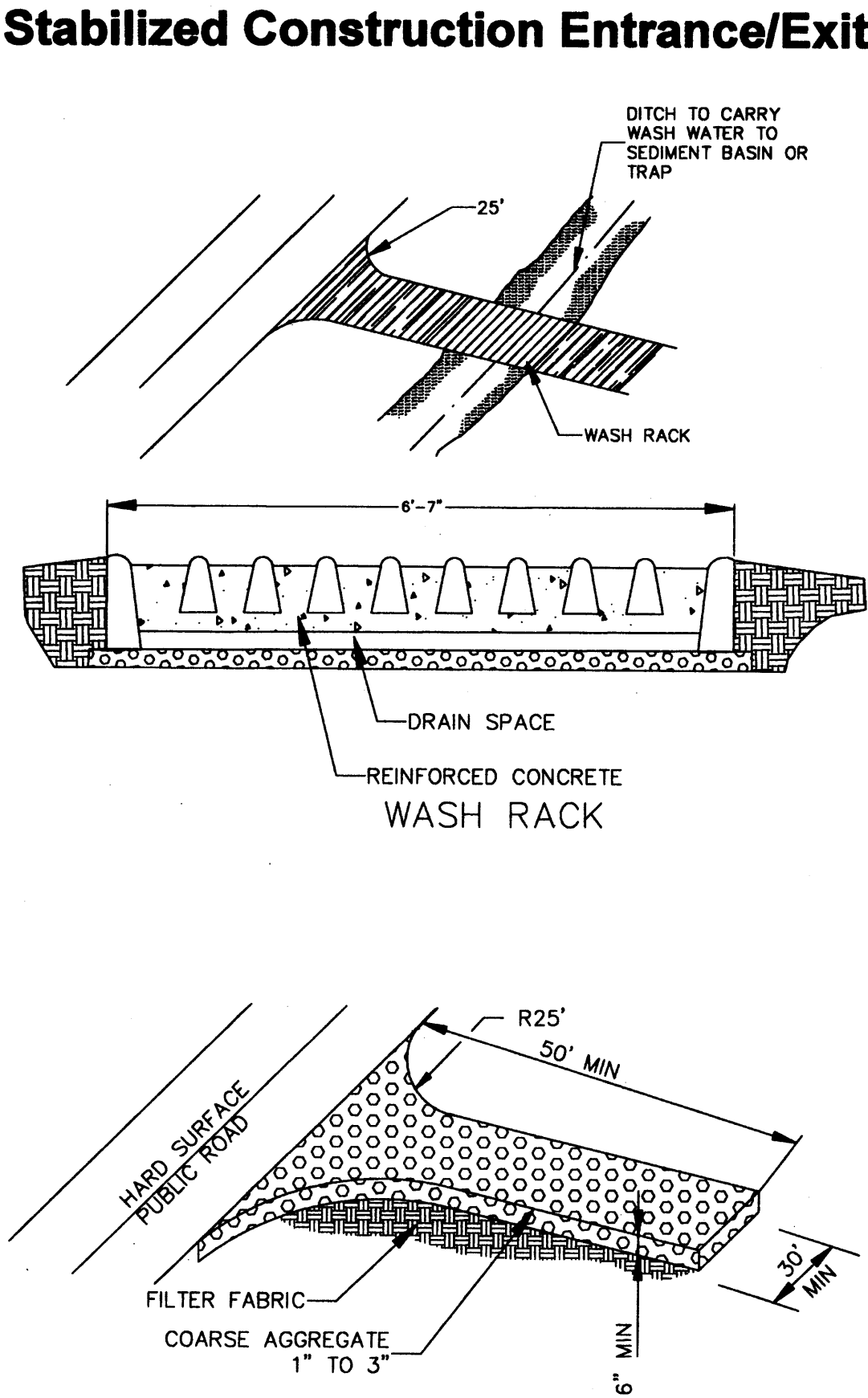


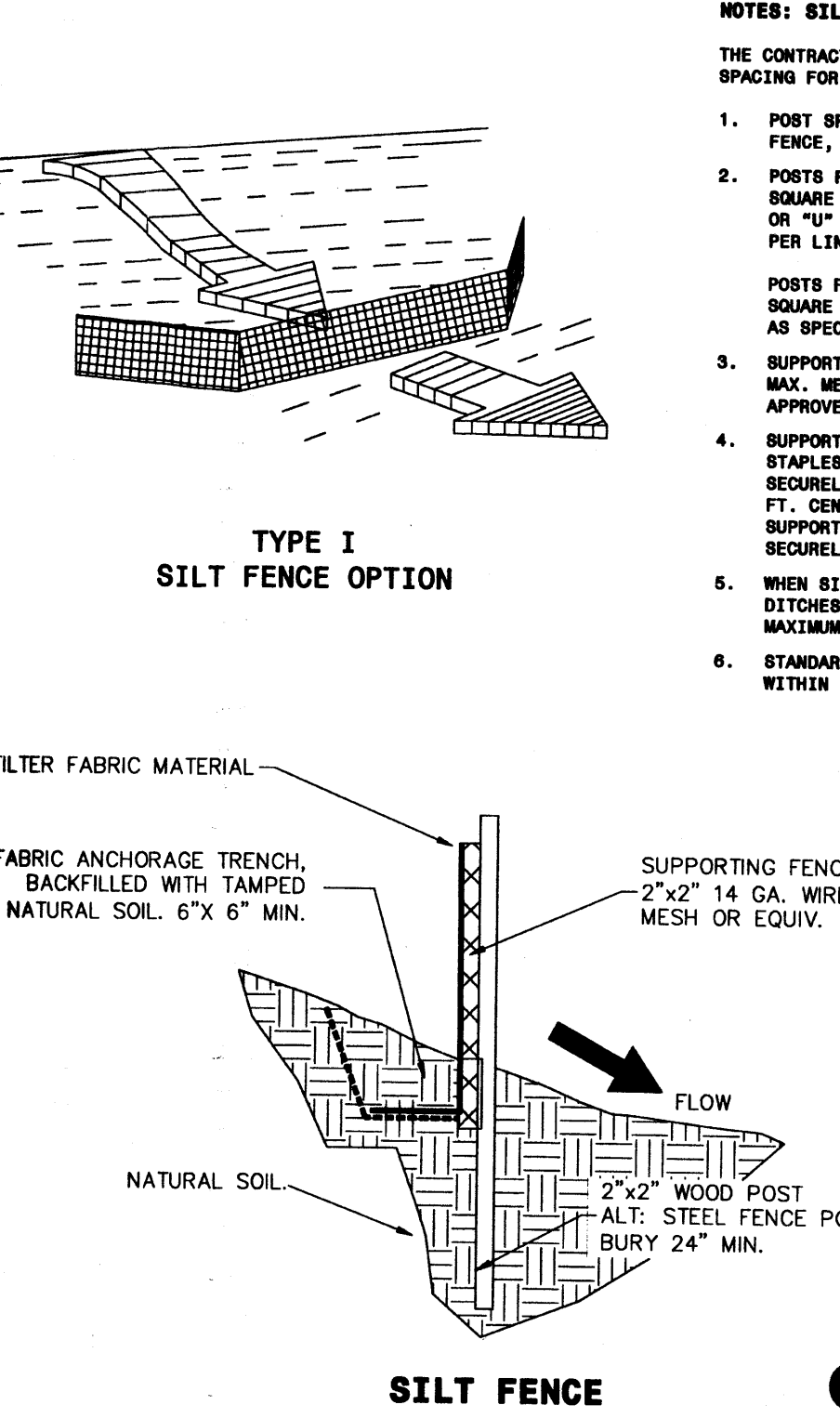
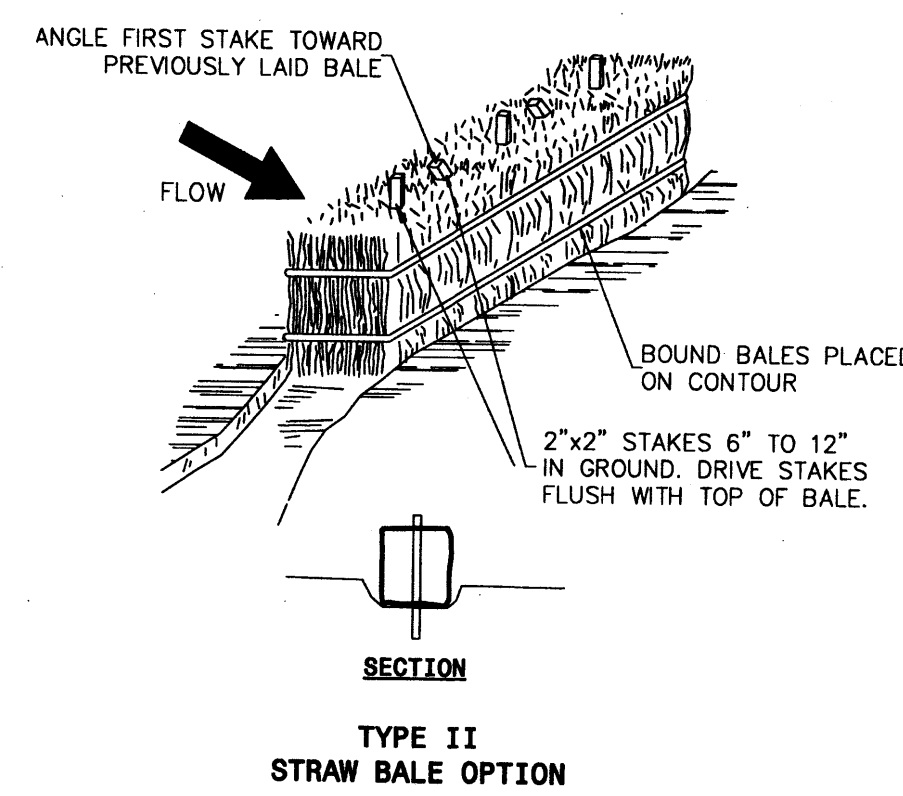
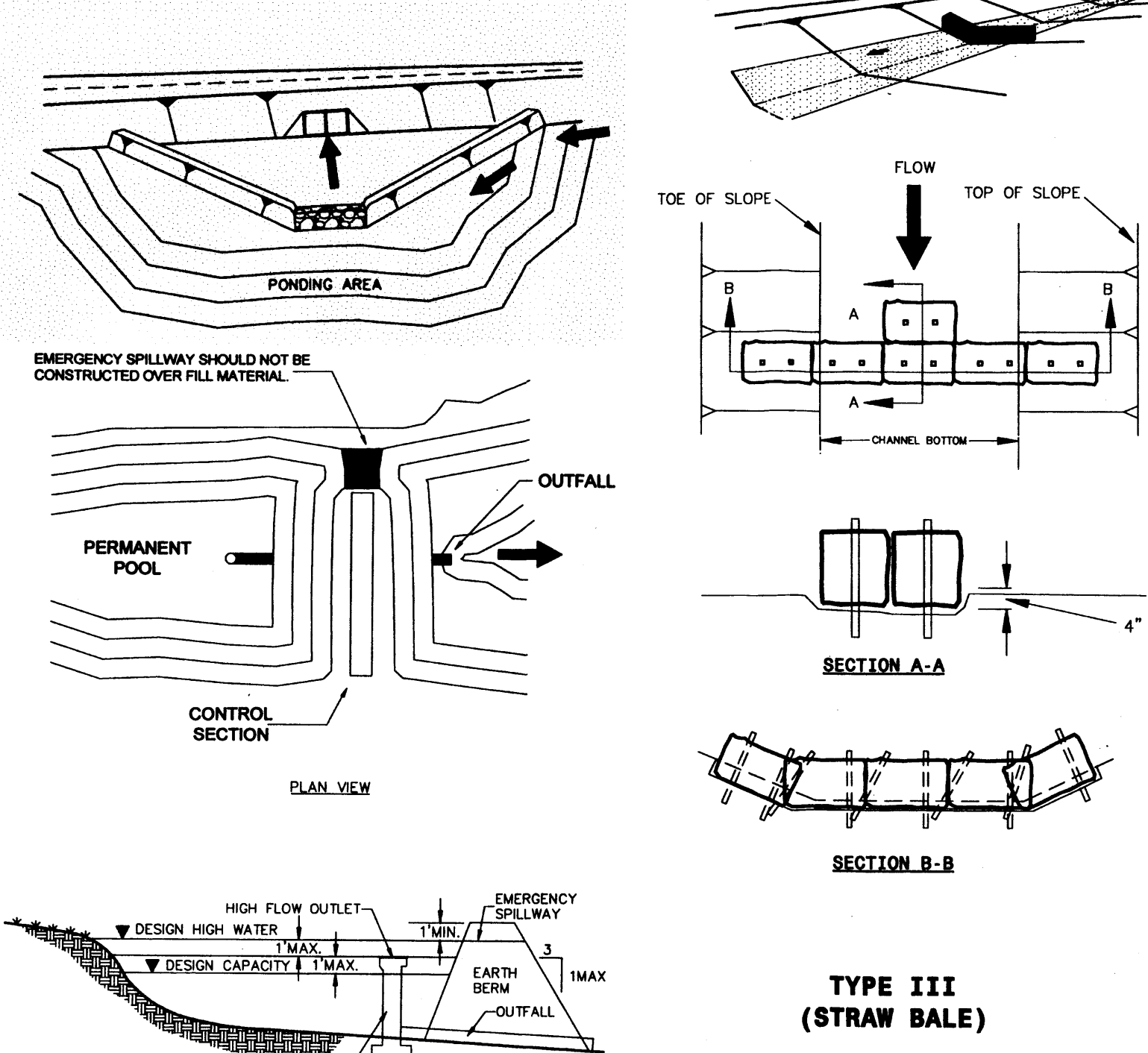
TABLE OF DIMENSIONS

PIPE DIAMETER (INCHES)	APPROX. SLOPE	T (INCHES)	A (INCHES)	B (INCHES)	C (INCHES)	D (INCHES)	E (INCHES)	G (INCHES)	R (INCHES)	X (INCHES)	Y (INCHES)
12	2.4 to 1	2	4	24	49	73	24	2	9	8	18
15	2.4 to 1	2 1/4	6	27	46	73	30	2 1/4	11	8	18
18	2.4 to 1	2 1/2	9	27	46	73	36	2 1/2	12	8	18
21	2.4 to 1	2 3/4	9	36	33 1/2	73 1/2	42	2 3/4	13	8	18
24	2.5 to 1	3	9 1/2	43 1/2	30 1/2	73 1/2	48	3	14	8	18
27	2.5 to 1	3 1/4	10 1/2	49 1/2	24 1/2	73 1/2	54	3 1/4	14 1/2	8	18
30	2.5 to 1	3 1/2	12	54	19 1/2	73 1/2	60	3 1/2	15	8	18
36	2.5 to 1	4	15	83	34 1/2	97 1/2	72	4	20	8	18
42	2.5 to 1	4 1/2	21	63	35	98	78	4 1/2	22	10	24
48	2.5 to 1	5	24	72	26	98	84	5	22	10	24
54	2.0 to 1	5 1/2	27	65	33 1/2	98 1/2	90	5 1/2	24	10	24
60	1.9 to 1	6	35	60	39	99	96	6	24	10	24
66	1.7 to 1	6 1/2	30	72	27	99	102	6 1/2	24	10	24
72	1.8 to 1	7	36	78	21	99	108	7	24	10	24
78	1.8 to 1	7 1/2	35	90	21	111	114	7 1/2	24	10	24
84	1.6 to 1	8	36	90 1/2	21	111 1/2	120	8	24	10	24

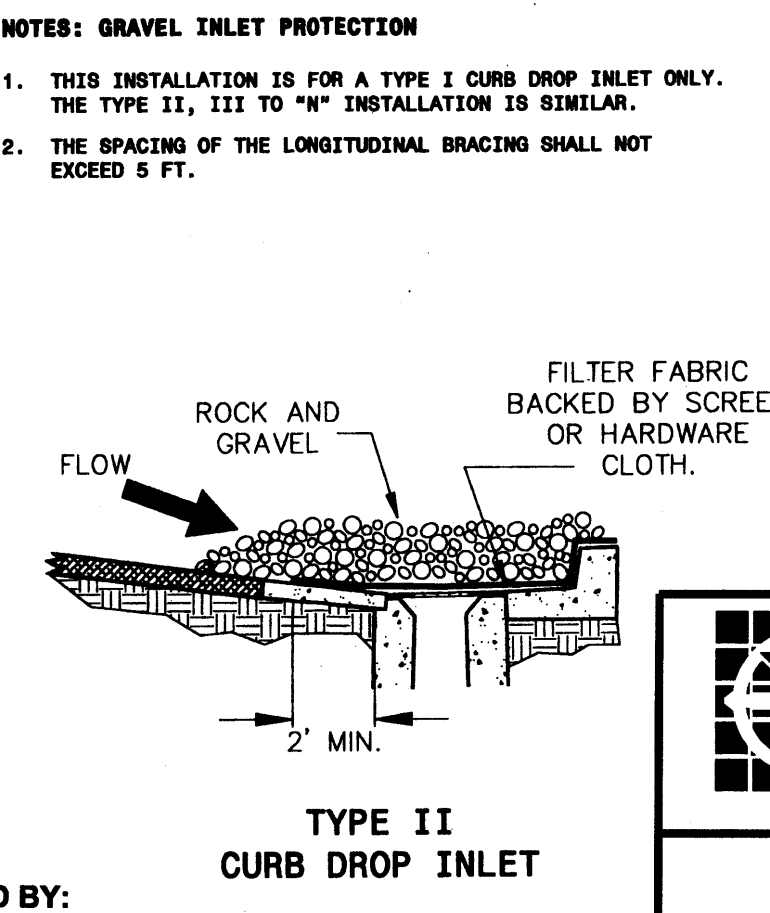
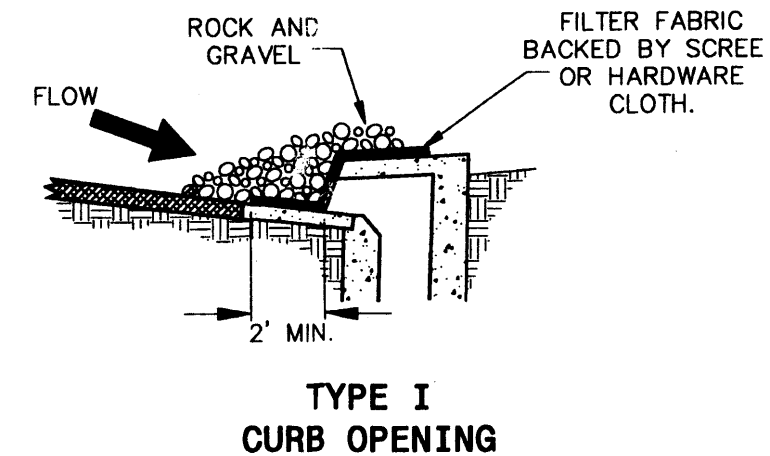
* AS FURNISHED BY THE MANUFACTURER

NOTES:
 CONCRETE IN THESE END SECTIONS SHALL BE THE SAME GRADE AND STRENGTH AS SPECIFIED FOR REINFORCED CONCRETE PIPE, A.S.T.M. DESIGNATION C 76, CLASS II, EXCEPT AS MODIFIED BY THE STANDARD SPECIFICATION.
 REINFORCEMENT IN THE "C" PORTION SHALL BE THE SAME AS SPECIFIED FOR REINFORCED CONCRETE, A.S.T.M. DESIGNATION C 76 CLASS II FOR THE SIZE OF CONNECTING PIPE.
 REINFORCEMENT IN THE "B" PORTION SHALL HAVE A CROSS-SECTIONAL AREA EQUAL TO THAT OF THE LAYER OF STEEL IN THE "C" PORTION.
 THE END OF THE PIPE CULVERT SHALL BE PLACED IN THE CONCRETE END SECTION SO THAT THE FLOW LINES ARE FLUSH. THE JOINT SHALL BE COMPLETELY FILLED WITH MORTAR.
 TO CHANGE THE FILL SLOPE TO THE SLOPE OF THE END SECTION USE A TRANSITION SLOPE OF APPROXIMATELY 10' IN LENGTH TO PROVIDE A PLEASING APPEARANCE.
 VARIATIONS IN DIMENSIONS - THE THICKNESS OF CONCRETE, THE POSITION OF STEEL AND THE INTERNAL DIAMETER OF THE PIPE SHALL CONFORM WITH THE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAINS AND SEWER PIPE, A.S.T.M. DESIGNATION C 76.
 PLACE CONCRETE FOOTING WHEN CULVERT GRADE IS 4% OR MORE, OR WHEN SPECIFIED ON THE ROAD PLANS.

Sediment Basin



NOTES: SILT FENCE
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.
 1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE, 10 FT. MAXIMUM WITH SUPPORTING FENCE.
 2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 LB. PER LINEAR FOOT.
 3. POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.
 4. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE, OR APPROVED EQUAL.
 5. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
 6. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
 7. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.



NOTES: GRAVEL INLET PROTECTION
 1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "M" INSTALLATION IS SIMILAR.
 2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 5 FT.

TARGET

REVIEWED BY:

Development Manager: Not Reviewed Approved as Noted Approved

Project Architect: Not Reviewed Approved as Noted Approved

Project Engineer (M): Not Reviewed Approved as Noted Approved

Project Engineer (E): Not Reviewed Approved as Noted Approved

Project Engineer (S): Not Reviewed Approved as Noted Approved

Approved only for conformance of the site construction documents to Target Developer Guide, Edition 2.4 and the Target building documents. Consultant is solely responsible for completeness, accuracy, and dimensions on the site construction documents.

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 216.363.0300
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 Building relationships on a foundation of excellence

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
 TARGET - NE ALBUQUERQUE
 SESC & SWPP PLAN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR

CITY PROJECT NO. XXXXXX MAP NO. D-18 SHEET 4.1 OF 17

AS-BUILT INFORMATION

CONTRACTOR: _____ DATE: _____

WORK BY: _____ DATE: _____

INSPECTED BY: _____ DATE: _____

ACCEPTANCE BY: _____ DATE: _____

APPROVAL BY: _____ DATE: _____

FORWARDED BY: _____ DATE: _____

RECORDED BY: _____ DATE: _____

BENCH MARKS

NO. _____ DATE _____

SURVEY INFORMATION

FIELD NOTES BY: _____ DATE _____

NO. _____ DATE _____

ENGINEER'S SEAL

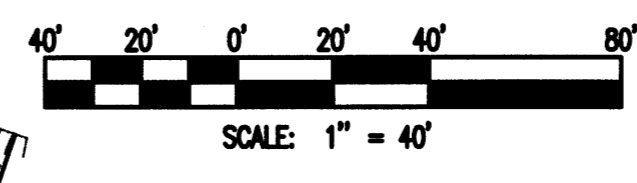
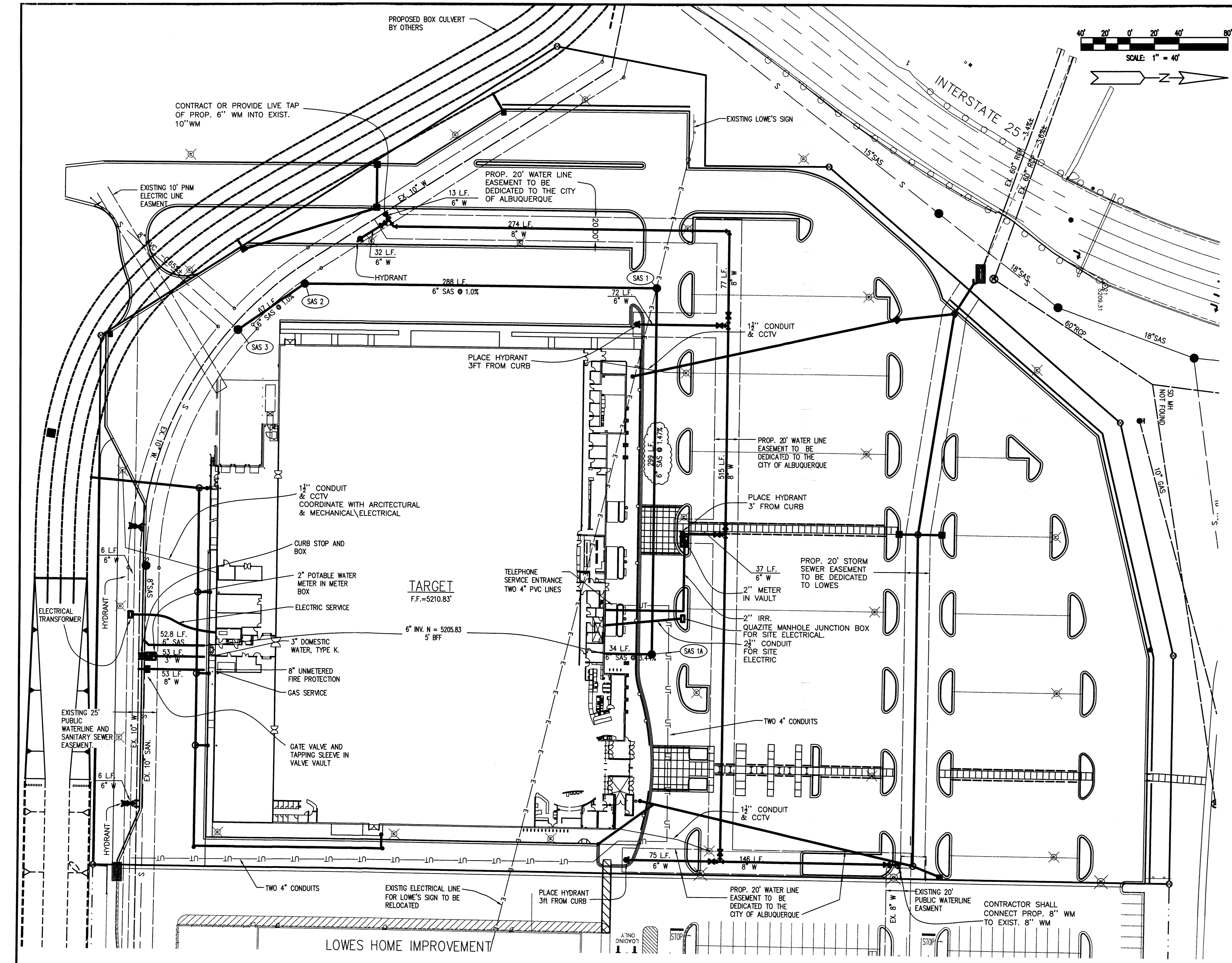
DESIGNED BY: RMB DATE: 7/01/2004

DRAWN BY: BCL DATE: 7/01/2004

CHECKED BY: BEB DATE: 7/01/2004

REVISIONS

NO.	DATE	REMARKS	DESIGN
1	10/19/04	SUBMITTED TO DRB	
2	07/08/04	PER CITY COMMENTS	



STRUCTURE	INVERTS	TYPE
SAS 1A	RIM = 5209.83 6" INV. S. = 5204.66 6" INV. W. = 5204.46	SAS MANHOLE
SAS 1	RIM = 5205.53 6" INV. E. = 5200.06 6" INV. S. = 5199.86	SAS MANHOLE
SAS 2	RIM = 5203.05 6" INV. N. = 5196.98 6" INV. SE. = 5196.78	SAS MANHOLE
SAS 3	RIM = 5202.75 6" INV. NW. = 5196.11 10" INV. SE. = 5186.23 10" INV. SW. = 5186.23	EXISTING SAS MANHOLE CONSTRUCT VERTICAL PER DWG 2116 CITY OF ALBUQUERQUE STD.

- NOTE:
1. THIS PLAN FOR WATER AND SANITARY ONLY.
 2. ALL HYDRANTS, VALVES, WATER LINE, CONNECTIONS, BLOCKING, ETC., SHALL BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARDS.
 3. ALL WATER MAIN SHALL BE DUCTILE IRON, PRESSURE CLASS 150.
 4. ALL SANITARY MANHOLES SHALL BE TYPE "C".
 5. ALL SANITARY SEWER SHALL BE PVC, SDR-35.
 6. ALL DUCTILE-IRON WATER MAIN SHALL PROTECTED AGAINST CORROSION PER ANSI/AWWA SECTION C105/A21.5-99.
 7. PROVIDE METALLIC UTILITY LINE IDENTIFICATION TAPE FOR ALL UTILITIES.
 8. INSTALL THRUST BLOCKS ON ALL BEND AND TEE WATERMAINS.

9. SEE ENVIRONMENTAL DRAWINGS PREPARED BY KLIENFELDER FOR UTILITY PLUG DETAILS AND LOCATIONS. COORDINATE WITH ENVIRONMENTAL CONSULTANT.

LEGEND

DISCRIPTION	EXISTING	PROPOSED
LIMITS OF CONSTRUCTION		- - - -
SANITARY		8" SAN
SANITARY CLEANOUT	o	o
SANITARY MANHOLE	⊙	⊙
STORM SEWER		18" STM
ROOF DRAIN CLEANOUT		SDS
STORM MANHOLE	⊙	⊙
GRATE INLET	⊗	⊗
LIGHTPOLE	⊗	⊗
CURB GRATE	⊗	⊗
WATER/GAS VALVE	x	x
HYDRANT	⊙	⊙
METER PIT	MP	MP
UNDERGROUND WATER LINE	W	EX 8" WM
BUILDING		
CONCRETE CURB		
CURB STOP		



REVIEWED BY:

Development Manager	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Architect	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (M)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (E)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved
Project Engineer (S)	Revise and Resubmit	Not Reviewed	Approved as Noted	Approved

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TARGET - NE ALBUQUERQUE
UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO/DAY/YR	MO/DAY/YR
LAST DESIGN UPDATE			

AS-BUILT INFORMATION	
CONTRACTOR	DATE
DRAWN BY	DATE
INVESTIGATED BY	DATE
CHECKED BY	DATE
BENCH MARKS	
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

ENGINEER'S SEAL	
C/JC	RMB
AEHD COMMENTS	BY
SUBMITTED TO DRB	REVISIONS
NO.	DESIGN

DESIGNED BY: RMB	DATE: 7/01/2004
DRAWN BY: BCL	DATE: 7/01/2004
CHECKED BY: BEB	DATE: 7/01/2004

