



2007009420 18 PGS

2007009420
01/31/2007 02:13 PM

PLAT IDENTIFICATION SHEET

(17 pages)

Lowe's H.I.W., Inc.

Grantor (owner)

Grantor (owner)

Castle Pines Commercial 10A, Lot 1 Final PD Site Plan

Grantee (name of plat or condo)

Grantee (name of plat or condo)

Subdivision Info: Castle Pines Commercial Filing: 10A Lot: 1

Condo Info: Phase _____ Bldg _____ Unit _____

27

7

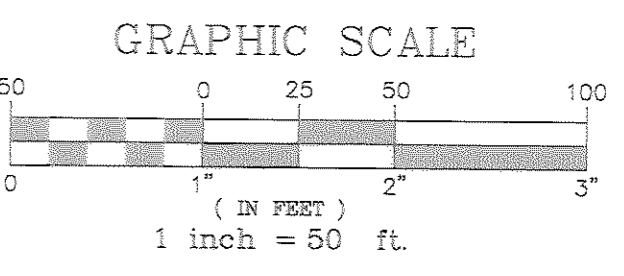
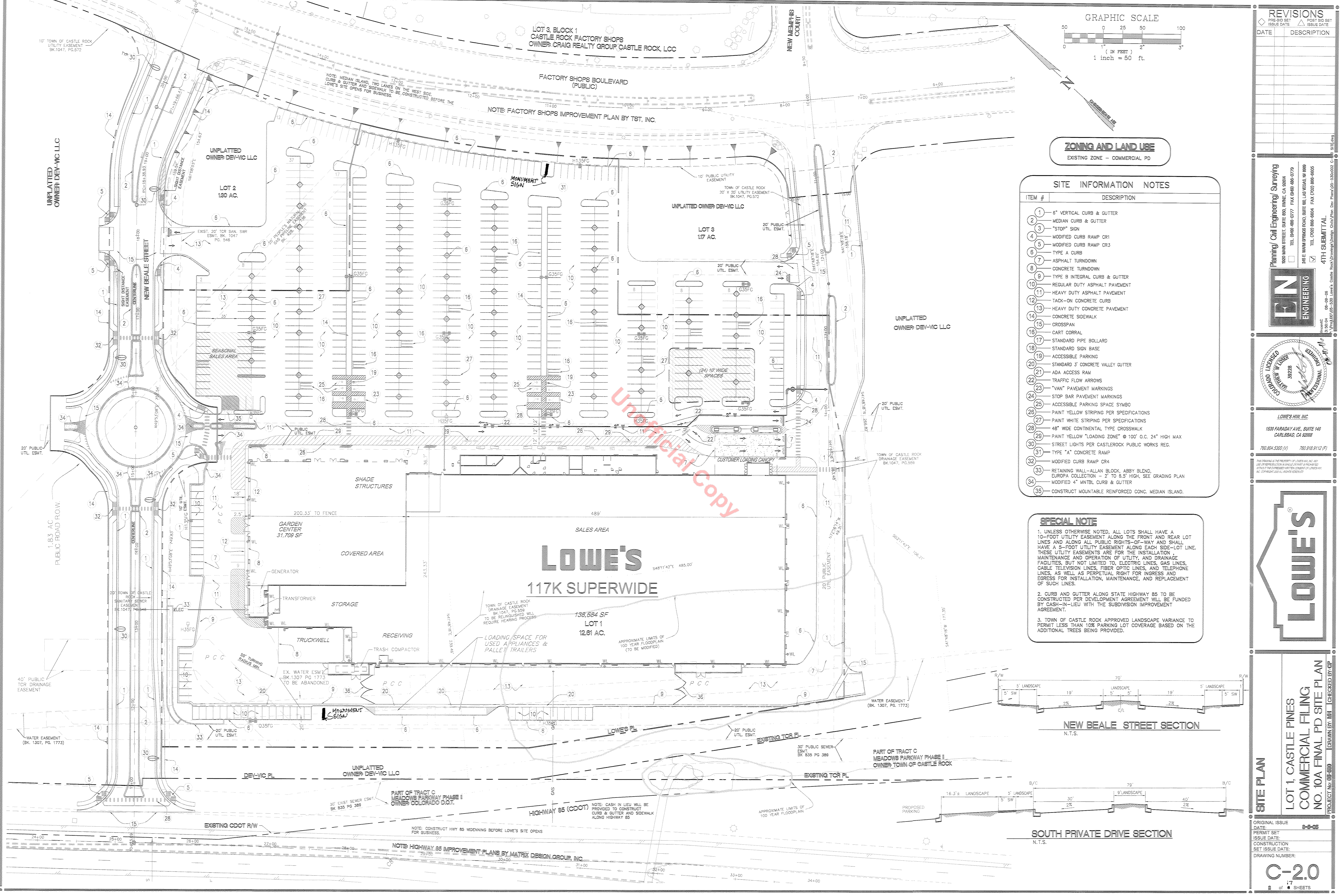
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Section

Township

Range

Cross Reference numbers: (reception #s or book and page)



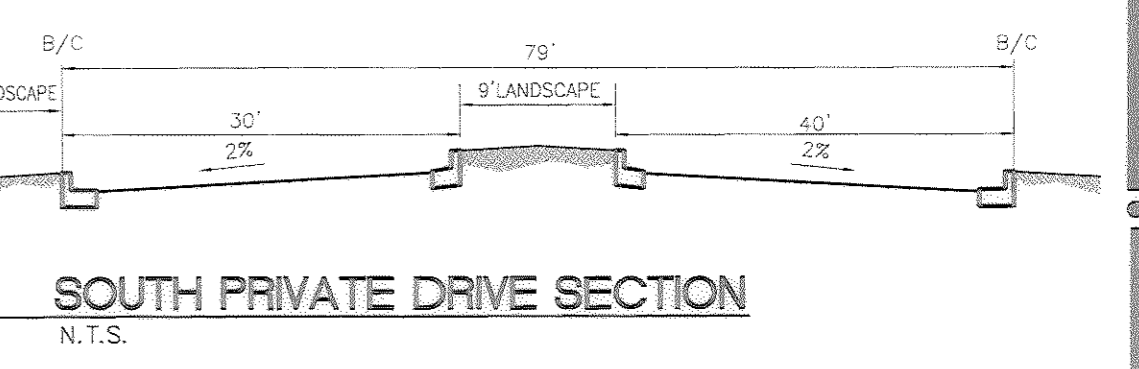
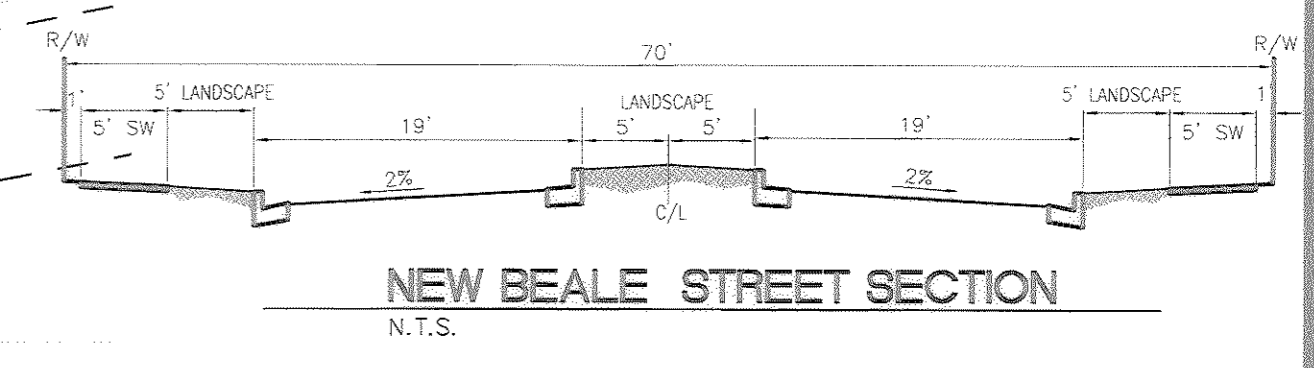
ZONING AND LAND USE
EXISTING ZONE - COMMERCIAL PD

SITE INFORMATION NOTES

ITEM #	DESCRIPTION
1	6" VERTICAL CURB & GUTTER
2	MEDIAN CURB & GUTTER
3	"STOP" SIGN
4	MODIFIED CURB RAMP CR1
5	MODIFIED CURB RAMP CR3
6	TYPE A CURB
7	ASPHALT TURNDOWN
8	CONCRETE TURNDOWN
9	TYPE B INTEGRAL CURB & GUTTER
10	REGULAR DUTY ASPHALT PAVEMENT
11	HEAVY DUTY ASPHALT PAVEMENT
12	TACK-ON CONCRETE CURB
13	HEAVY DUTY CONCRETE PAVEMENT
14	CONCRETE SIDEWALK
15	CROSSSPAN
16	CART CORRAL
17	STANDARD PIPE BOLLARD
18	STANDARD SIGN BASE
19	ACCESSIBLE PARKING
20	STANDARD 3' CONCRETE VALLEY GUTTER
21	ADA ACCESS RAM
22	TRAFFIC FLOW ARROWS
23	"VAN" PAVEMENT MARKINGS
24	STOP BAR PAVEMENT MARKINGS
25	ACCESSIBLE PARKING SPACE S/WBO
26	PAINT YELLOW STRIPING PER SPECIFICATIONS
27	PAINT WHITE STRIPING PER SPECIFICATIONS
28	48" WIDE CONTINENTAL TYPE CROSSWALK
29	PAINT YELLOW "LOADING ZONE" @ 100' O.C. 24" HIGH MAX
30	STREET LIGHTS PER CASTLE ROCK PUBLIC WORKS REG.
31	TYPE "A" CONCRETE RAMP
32	MODIFIED CURB RAMP CR4
33	RETAINING WALL-ALLAN BLOCK, ABBY BLEND, EUROPA COLLECTION - 2' TO 3.5' HIGH, SEE GRADING PLAN
34	MODIFIED 4" MNTEL CURB & GUTTER
35	CONSTRUCT MOUNTABLE REINFORCED CONC. MEDIAN ISLAND.

SPECIAL NOTE

- UNLESS OTHERWISE NOTED, ALL LOTS SHALL HAVE A 10'-FOOT UTILITY EASEMENT ALONG THE FRONT AND REAR LOT LINES AND ALONG ALL PUBLIC RIGHTS-OF-WAY AND SHALL HAVE A 5'-FOOT UTILITY EASEMENT ALONG EACH SIDE-LOT LINE. THESE UTILITY EASEMENTS ARE FOR THE INSTALLATION, MAINTENANCE AND OPERATION OF UTILITY AND DRAINAGE FACILITIES, BUT NOT LIMITED TO, ELECTRIC LINES, GAS LINES, CABLE TELEVISION LINES, FIBER OPTIC LINES, AND TELEPHONE LINES, AS WELL AS PERPETUAL RIGHT FOR INGRESS AND EGRESS FOR INSTALLATION, MAINTENANCE, AND REPLACEMENT OF SUCH LINES.
- CURB AND GUTTER ALONG STATE HIGHWAY 85 TO BE CONSTRUCTED PER DEVELOPMENT AGREEMENT WILL BE FUNDED BY CASH-IN-LIEU WITH THE SUBDIVISION IMPROVEMENT AGREEMENT.
- TOWN OF CASTLE ROCK APPROVED LANDSCAPE VARIANCE TO PERMIT LESS THAN 10% PARKING LOT COVERAGE BASED ON THE ADDITIONAL TREES BEING PROVIDED.



REVISIONS

DATE	DESCRIPTION

UNPLATTED OWNER DEV-VC LLC

Planning / Civil Engineering / Surveying
1920 MAIN STREET, SUITE 150, IRVINE, CA 92614
TEL: (949) 496-0777 FAX: (949) 496-0779
2425 WALKER ROAD, SUITE 300, LAS VEGAS, NV 89109
TEL: (702) 886-0604 FAX: (702) 886-0605

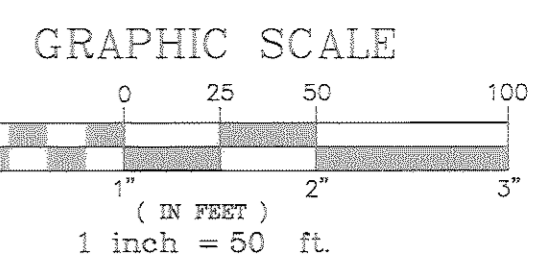
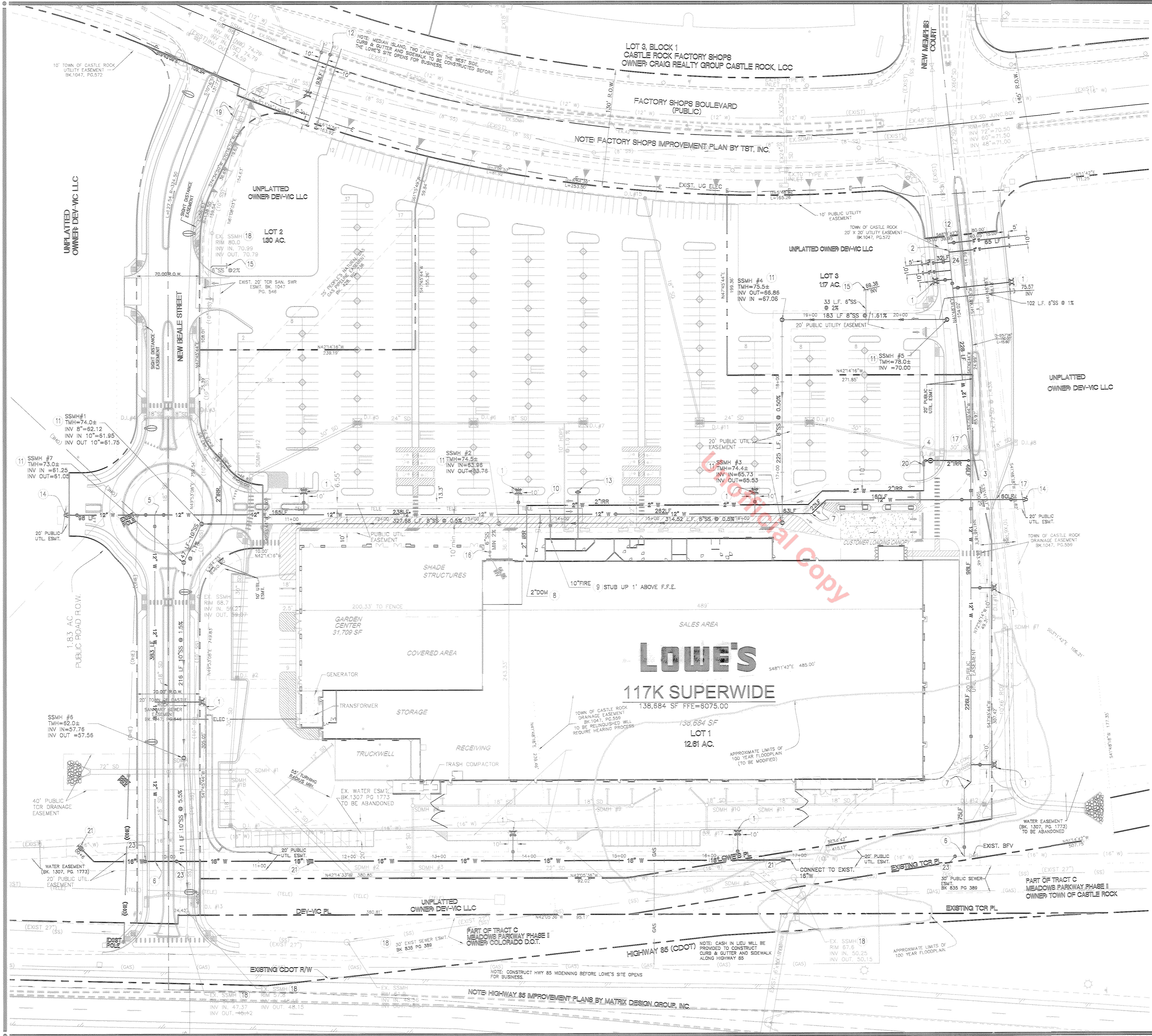
ENGINEERING
39270
39270

LOWE'S H.W. INC.
1530 FARADAY AVE., SUITE 140
CARLSBAD, CA 92008
760.804.5300 (V) 760.918.9112 (F)

LOWE'S

SITE PLAN
LOT 1, CASTLE PINES
COMMERCIAL FILING
NO. 10A FINAL PD SITE PLAN
PROJECT NO. 08-080 DRAWN BY: MM CHECKED BY: CP

ORIGINAL ISSUE DATE: 08-05
PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE:
DRAWING NUMBER: **C-20**
1 of 2 SHEETS



SPECIAL NOTE

UNLESS OTHERWISE NOTED, ALL LOTS SHALL HAVE A 10-FOOT UTILITY EASEMENT ALONG THE FRONT AND REAR LOT LINES AND ALONG ALL PUBLIC RIGHTS-OF-WAY AND SHALL HAVE A 5-FOOT UTILITY EASEMENT ALONG EACH SIDE-LOT LINE. THESE UTILITY EASEMENTS ARE FOR THE INSTALLATION, MAINTENANCE AND OPERATION OF UTILITY AND DRAINAGE FACILITIES, BUT NOT LIMITED TO, ELECTRIC LINES, GAS LINES, CABLE TELEVISION LINES, FIBER OPTIC LINES, AND TELEPHONE LINES, AS WELL AS PERPETUAL RIGHT FOR INGRESS AND EGRESS FOR INSTALLATION, MAINTENANCE, AND REPLACEMENT OF SUCH LINES.

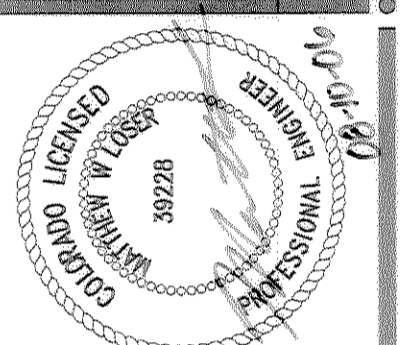
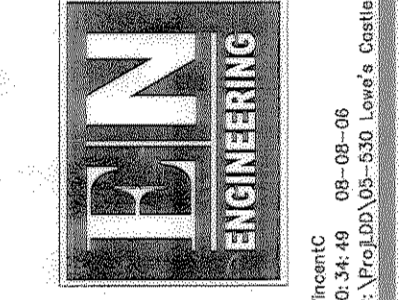
UTILITY INFORMATION NOTES

ITEM #	DESCRIPTION
1	FIRE HYDRANT W/ 6" ASSEMBLY PER PWR STD. DETAILS W-11 AND W-12
2	REMOVE EXIST. PLUG AND BLOW OFF AND CONNECT TO EXIST. 12" W.
3	CONNECT IRRIGATION LINE TO 12" WATER MAIN PER PWR STD. DETAIL W-4B
4	2" IRRIG. METER PER PWR STD. DETAIL W-4B
5	12" x 12" TEE WITH 12" GATE VALVE PER PWR STD. DETAIL W-22
6	16" x 16" x 12" TAPPING SLEEVE AND 12" GATE VALVE PER PWR STD. DETAIL W-19
7	45° BEND PER PWR STD DETAIL W-22
8	2" DOM. METER INSIDE BUILDING PER PWR STD DETAIL W-6C
9	10" RPPA INSIDE BUILDING PER PWR STD. DETAIL WU-4 & 5
10	12" x 12" x 10" TEE WITH 10" GATE VALVE PER PWR STD. DETAIL W-22
11	48" DIA SEWER MANHOLE PER PWR STD. DETAIL SS-3
12	12" x 12" x 8" TAPPING SLEEVE AND 8" GATE VALVE PER PWR STD. DETAIL W-19
13	FIRE DEPARTMENT CONNECTION PER CASTLE ROCK FIRE AND RESCUE DEPT. STD DETAIL
14	BLOW-OFF PER PWR STD. DETAIL W-16
15	PLUG END WITH CAP AND SEAL
16	SANITARY CLEAN OUT PER PWR STD. DETAIL SS-7
17	DIP WATER LINE BELOW STORM DRAIN PER PWR STD DETAIL W-17A, W-18
18	ADJUST SEWER MANHOLE RIM TO FINISHED GRADE
19	RELOCATE UTILITY BOXES - COORDINATE WITH UTILITY COMPANY
20	2" RPPA PER TCR STD WU-4, WU-5
21	AIR RELEASE VALVE PER TCR STD WID-6c
22	RELOCATE POWER POLE - CONTRACTOR SHALL COORDINATE WITH IREA PRIOR TO CONSTRUCTION
23	BUTTERFLY VALVE PER TCR STD DETAIL W-10
24	12"x12"x8" TEE WITH 8" GATE VALVE PER PWR STD. DETAIL W-22

REVISIONS

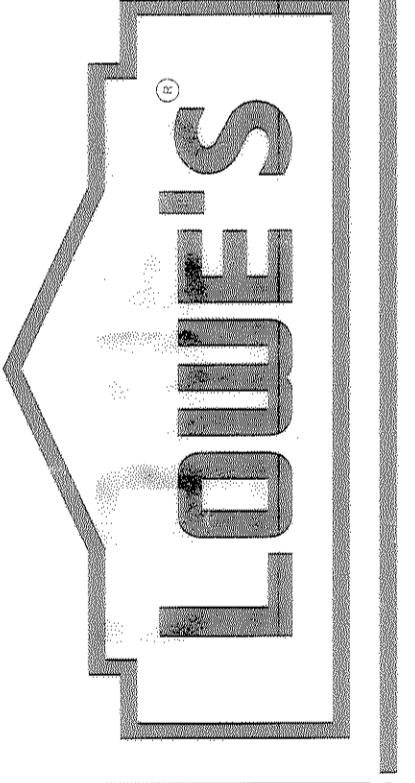
DATE	DESCRIPTION

Planning Civil Engineering Surveying
 1900 MAIN STREET, SUITE 1800, IRVINE, CA 92614
 TEL (949) 498-0177 FAX (949) 498-0779
 240 E WASHINGTON ROAD, SUITE 201, LOS ANGELES, CA 90012
 TEL (702) 898-0800 FAX (702) 898-0805



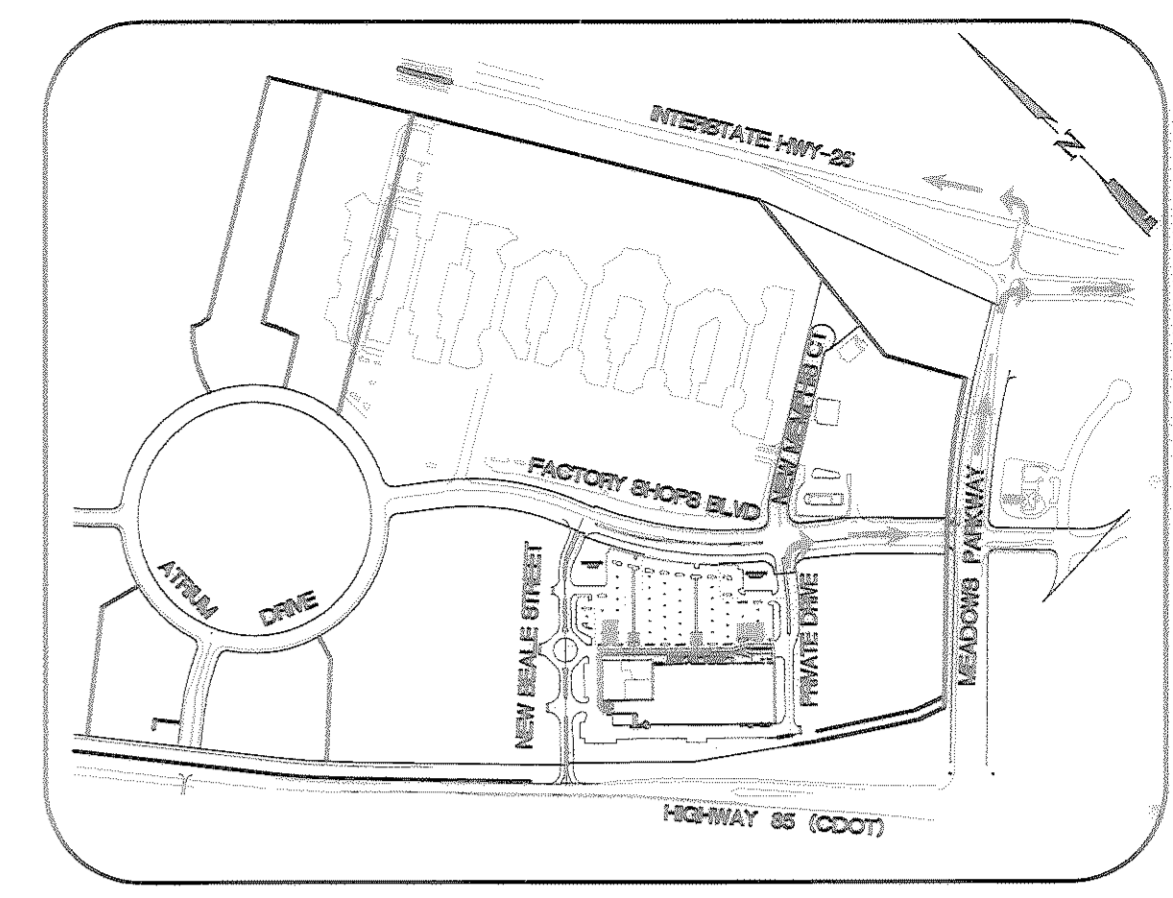
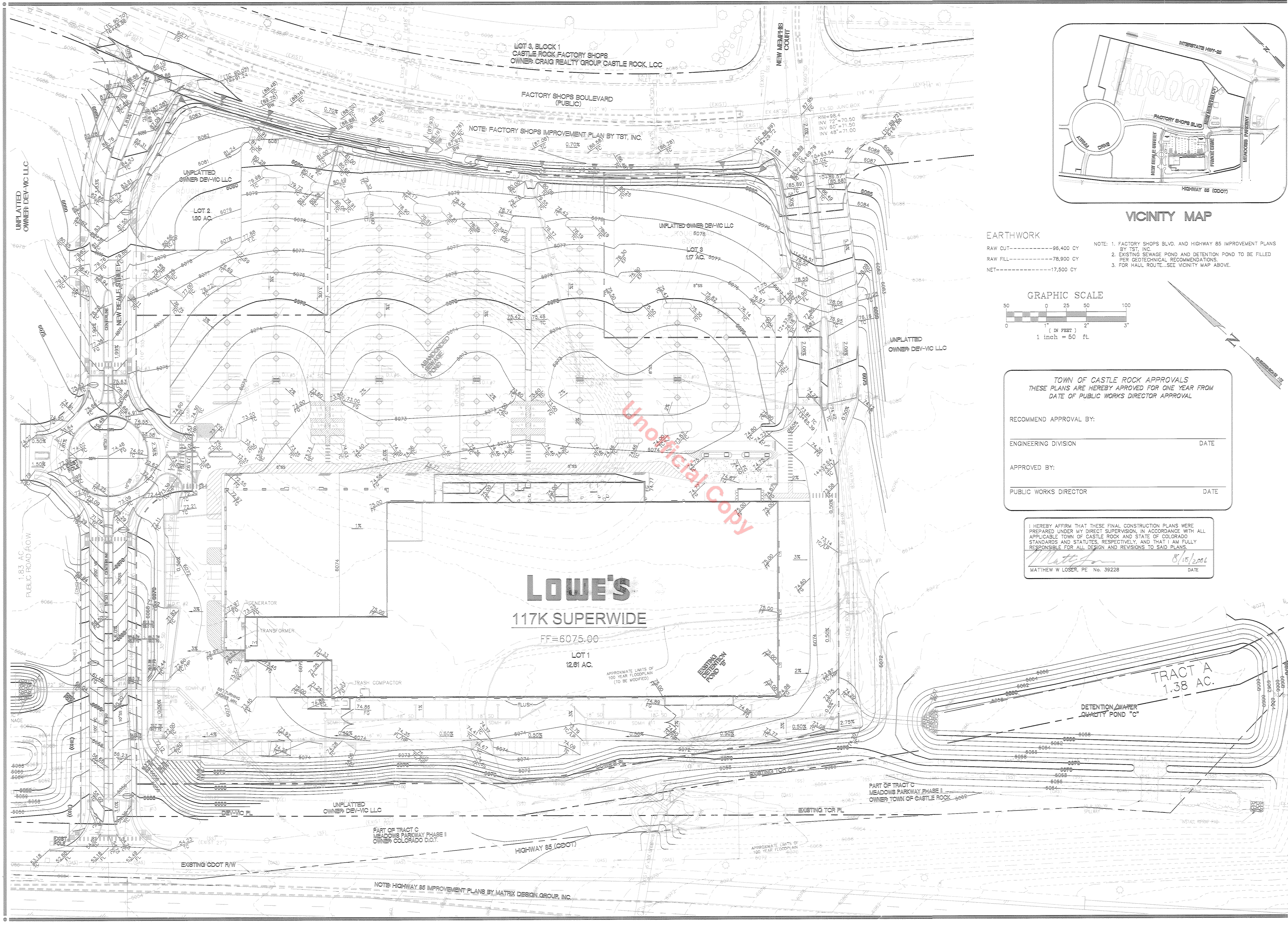
LOWE'S HWY, INC.
 1630 PARADAY AVE., SUITE 140
 CARLSBAD, CA 92008
 760.604.5300 (V) 760.918.9112 (F)

THIS PROJECT IS THE PROPERTY OF LOWE'S HWY, INC. ANY USE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED. WITHOUT THE EXPRESS WRITTEN CONSENT OF LOWE'S HWY, INC. NO PART OF THIS PROJECT IS TO BE REPRODUCED.



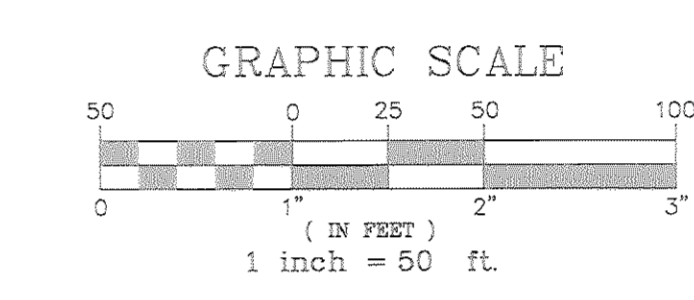
FINAL PD
 UTILITY PLAN
 LOT 1, CASTLE PINES
 COMMERCIAL FILING
 NO. 10A FINAL PD SITE PLAN
 PROJECT No. 08-480 DRAWN BY: MW CHECKED BY: CP

ORIGINAL ISSUE DATE: 08-18
 PERMIT SET ISSUE DATE: 08-18
 CONSTRUCTION SET ISSUE DATE: 08-18
 DRAWING NUMBER: C-3.0



EARTHWORK
 RAW CUT-----98,400 CY
 RAW FILL-----78,900 CY
 NET-----17,500 CY

NOTE: 1. FACTORY SHOPS BLVD. AND HIGHWAY 85 IMPROVEMENT PLANS BY TST, INC.
 2. EXISTING SEWAGE POND AND DETENTION POND TO BE FILLED PER GEOTECHNICAL RECOMMENDATIONS.
 3. FOR HAUL ROUTE...SEE VICINITY MAP ABOVE.



TOWN OF CASTLE ROCK APPROVALS
 THESE PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF PUBLIC WORKS DIRECTOR APPROVAL

RECOMMEND APPROVAL BY: _____ DATE _____

ENGINEERING DIVISION _____

APPROVED BY: _____ DATE _____

PUBLIC WORKS DIRECTOR _____ DATE _____

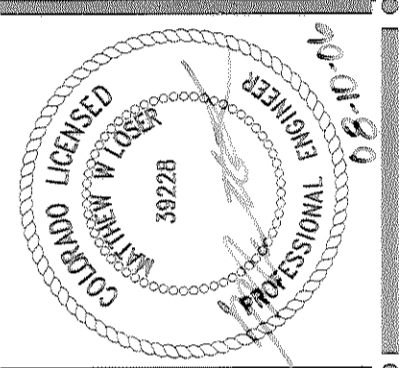
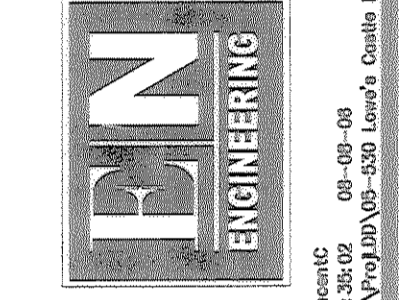
HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS TO SAID PLANS.

Matthew W. Loser 8/15/2006
 MATTHEW W LOSER, PE No. 39228 DATE

REVISIONS

DATE	DESCRIPTION

Planning/Civil Engineering/Surveying
 8500 MAIN STREET, SUITE 400, IRVINE, CA 92614
 TEL (949) 486-0777 FAX (949) 486-0779
 245 E WILSON AVENUE, SUITE 101, LOS ANGELES, CA 90012
 TEL (702) 896-0604 FAX (702) 896-0605



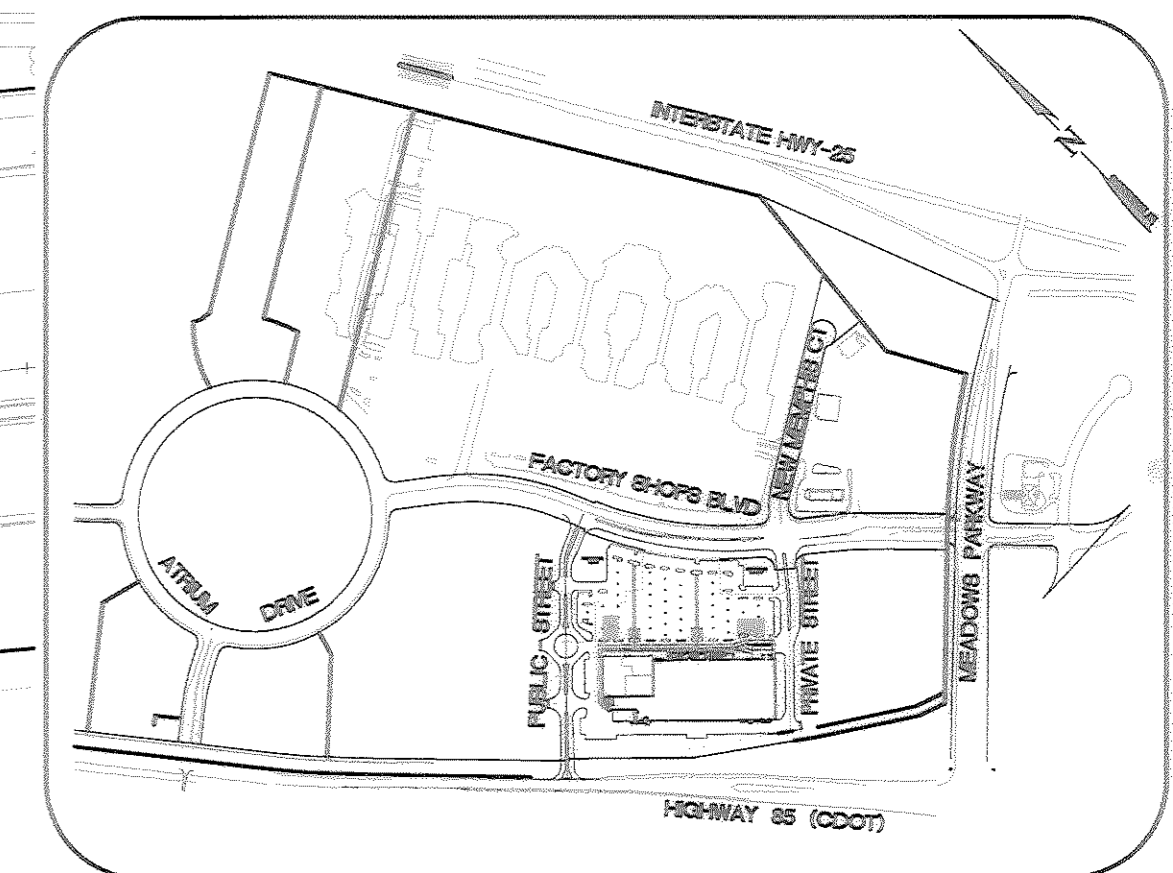
LOVE'S HYV, INC.
 1630 FARADAY AVE., SUITE 140
 CARLSBAD, CA 92008
 760.841.5300 (V) 760.918.9112 (F)

PROJECT No. 05-080
 DRAWN BY: JEM
 CHECKED BY: ML

LOWE'S

GRADING PLAN
LOT 1, CASTLE PINES
COMMERCIAL FILING
NO. 10A FINAL PD SITE PLAN

ORIGINAL ISSUE DATE: 10/08/05
 PERMIT SET ISSUE DATE:
 CONSTRUCTION SET ISSUE DATE:
 DRAWING NUMBER:
C-4.0
 4 of 17 SHEETS

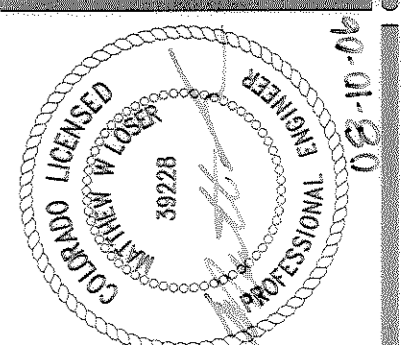
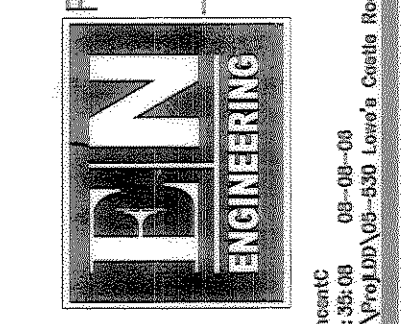


KEY MAP
NOT TO SCALE

STORM DRAIN INFORMATION NOTES

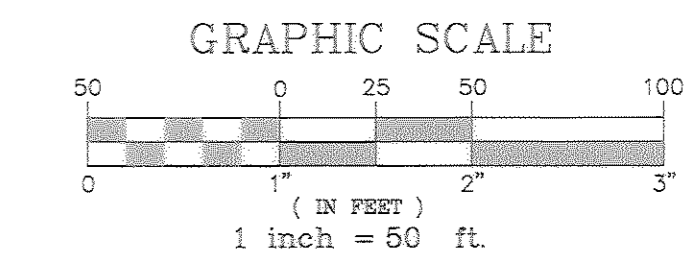
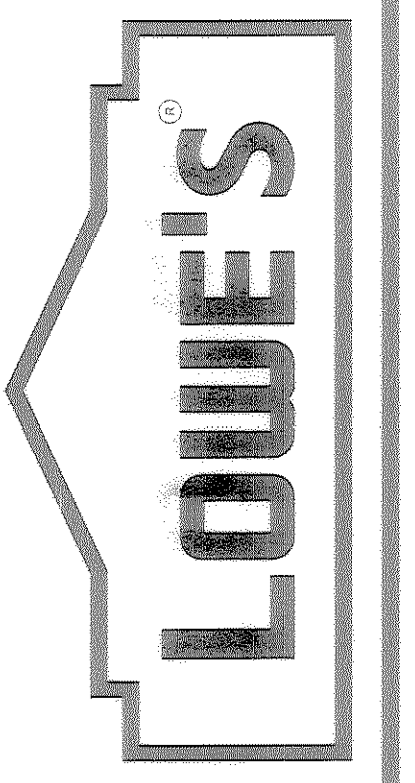
ITEM #	DESCRIPTION
1	AREA DROP INLET
2	GRATED CURB INLET
3	T-BASE MANHOLE
4	TYPE R CULVERT INLET PER CDOT STANDARD DETAIL 3
5	OFF-SITE STANDARD PIPE TRENCH
6	ON-SITE STANDARD PIPE TRENCH
7	MANHOLE PER CDOT M-804-20
8	ATRIUM GRATE
9	RIP-RAP D50 = 12" - 24" THICK
10	EXISTING POWER POLE TO BE RELOCATED BY POWER COMPANY CONTRACTOR TO COORDINATE
11	STANDARD 48" DIAMETER MANHOLE
12	ADJUST UTILITY MANHOLES, GATE VALVES, BOXES AND PEDESTALS TO MATCH FINISHED GRADE
13	CDOT STANDARD WING WALLS FOR PIPE OR BOX CULVERT PER DETAIL 3 CD-3.0-GEOMETRICS ON SHEET DD-1.0
14	10'X8' PRECAST CONC. BOX CULVERT PER CDOT STD M-603-3
15	CROSS PAN PER TCR STD ST-5

Planning/Civil Engineering/Surveying
 1920 MAIN STREET, SUITE 800, EVAN, CA 92924
 TEL: (949) 496-0777 FAX: (949) 496-0779
 260 E WINDSPRING ROAD, SUITE 900, LAS VEGAS, NV 89109
 TEL: (702) 886-9800 FAX: (702) 886-9805
 4TH SUBMITTAL



LOVE'S INC.
 1530 PARADISE AVE., SUITE 140
 CARLSBAD, CA 92008
 760.841.5300 (V) 760.918.9121 (F)

THE DRAINAGE OF THE PROPERTY SHOWN HEREON HAS BEEN PREPARED BY THE ENGINEER OR SURVEYOR OR BOTH AS INDICATED BY THE CHECKED SIGNATURE OF THE ENGINEER OR SURVEYOR. ALL RIGHTS ARE RESERVED.



TOWN OF CASTLE ROCK APPROVALS
 THESE PLANS ARE HEREBY APPROVED FOR ONE YEAR FROM DATE OF PUBLIC WORKS DIRECTOR APPROVAL

RECOMMEND APPROVAL BY: _____ DATE _____

ENGINEERING DIVISION _____ DATE _____

APPROVED BY: _____ DATE _____

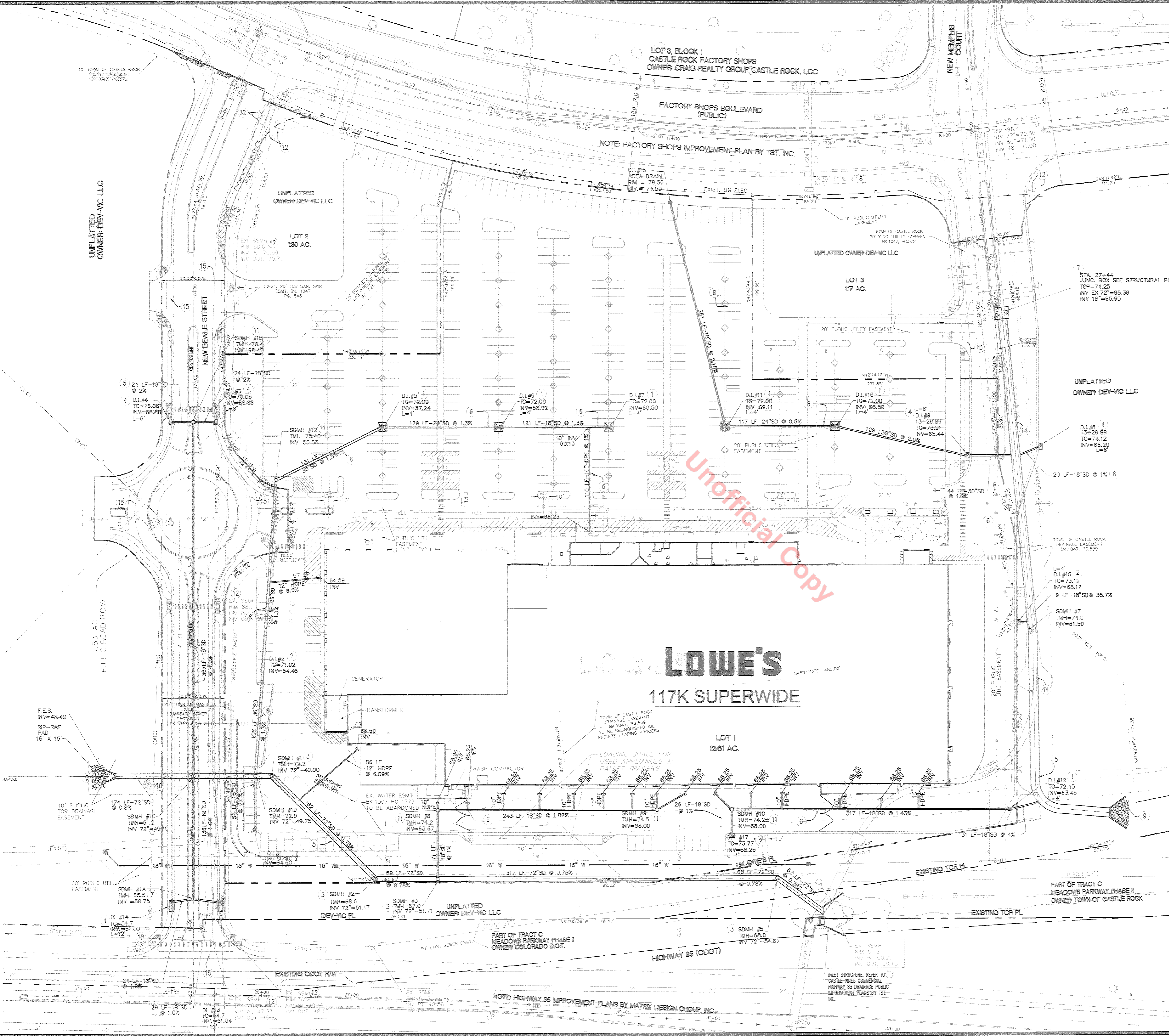
PUBLIC WORKS DIRECTOR _____ DATE _____

I HEREBY AFFIRM THAT THESE FINAL CONSTRUCTION PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION, IN ACCORDANCE WITH ALL APPLICABLE TOWN OF CASTLE ROCK AND STATE OF COLORADO STANDARDS AND STATUTES, RESPECTIVELY, AND THAT I AM FULLY RESPONSIBLE FOR ALL DESIGN AND REVISIONS TO SAID PLANS.

Matthew W. Loser 8/16/2006
 MATTHEW W. LOSER, PE No. 39228 DATE

STORM DRAIN PLAN
LOT 1, CASTLE PINES
COMMERCIAL FILING
NO. 10A FINAL PD SITE PLAN
 PROJECT NO. 05-880 DRAWN BY: JDM CHECKED BY: ML

ORIGINAL ISSUE DATE: 10/09/05
 PERMIT SET ISSUE DATE: []
 CONSTRUCTION SET ISSUE DATE: []
 DRAWING NUMBER: C-41
 5 of 17 SHEETS



LOWE'S
117K SUPERWIDE

Unofficial Copy

NOTE: HIGHWAY 85 IMPROVEMENT PLANS BY MATRIX DESIGN GROUP, INC.

PART OF TRACT C MEADOWS PARKWAY PHASE II OWNER TOWN OF CASTLE ROCK

PART OF TRACT C MEADOWS PARKWAY PHASE II OWNER COLORADO D.O.T.

NOTE: FACTORY SHOPS IMPROVEMENT PLAN BY TST, INC.

LOT 3, BLOCK 1
 CASTLE ROCK FACTORY SHOPS
 OWNER: CRAIG REALTY GROUP CASTLE ROCK, LLC

FACTORY SHOPS BOULEVARD (PUBLIC)

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

UNPLATTED OWNER DEV-VC LLC

10' TOWN OF CASTLE ROCK UTILITY EASEMENT BK1047, PG.572

1.83 AC PUBLIC ROAD ROW

40' PUBLIC TCR DRAINAGE EASEMENT

20' PUBLIC UTIL. EASEMENT

(EXIST 27")

(EXIST 27")

(EXIST 27")

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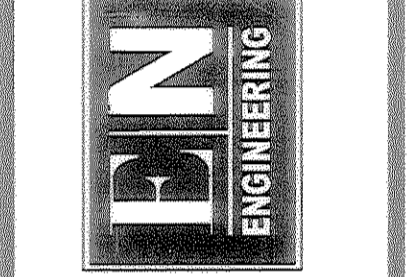
(EXIST 27")

FINAL PD SITE PLAN

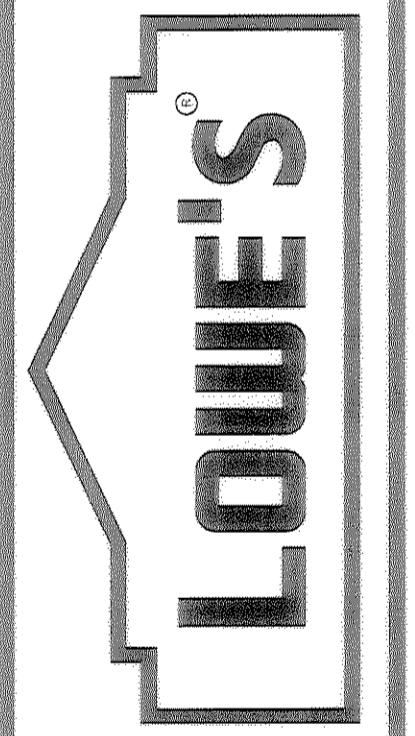
LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A

REVISIONS	
DATE	DESCRIPTION
1-17-06	2ND CITY SUBMITTAL
5-01-08	BID SET
5-10-08	3RD CITY SUBMITTAL
6-15-08	FINAL PD SUBMITTAL
7-17-08	CITY REVIEW -PD
7-21-08	PLAN CHANGES
8-10-08	MYLAR SET
11-28-08	MYLAR REVISIONS

Planning/ Civil Engineering Surveying
 150 MAIN STREET SUITE 650, IRVINE, CA 92614
 TEL (949) 486-0717 FAX (949) 486-0719
 255 E. HAWK SPRINGS ROAD, SUITE 100, LAS VEGAS, NV 89119
 TEL (702) 886-6804 FAX (702) 886-6805



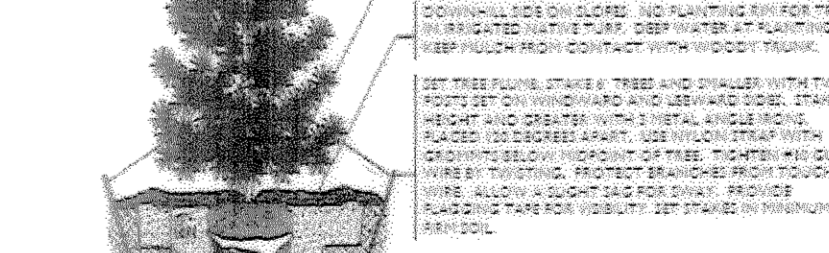
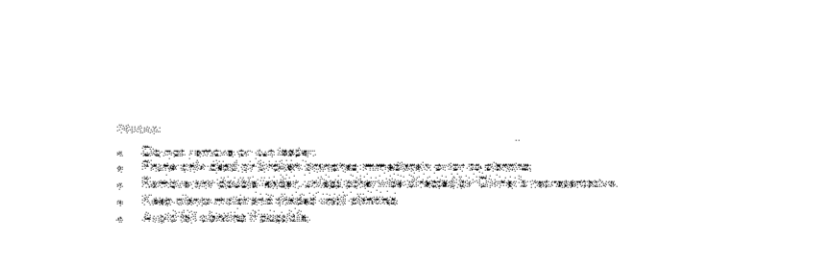
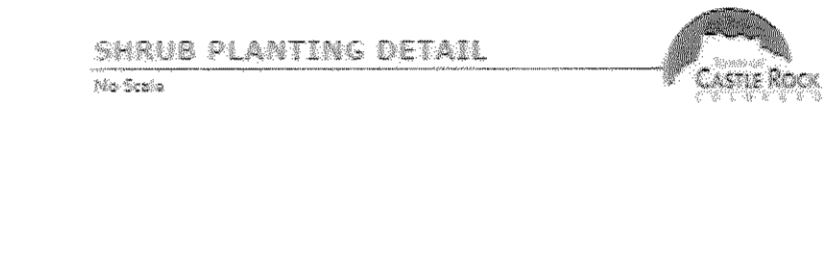
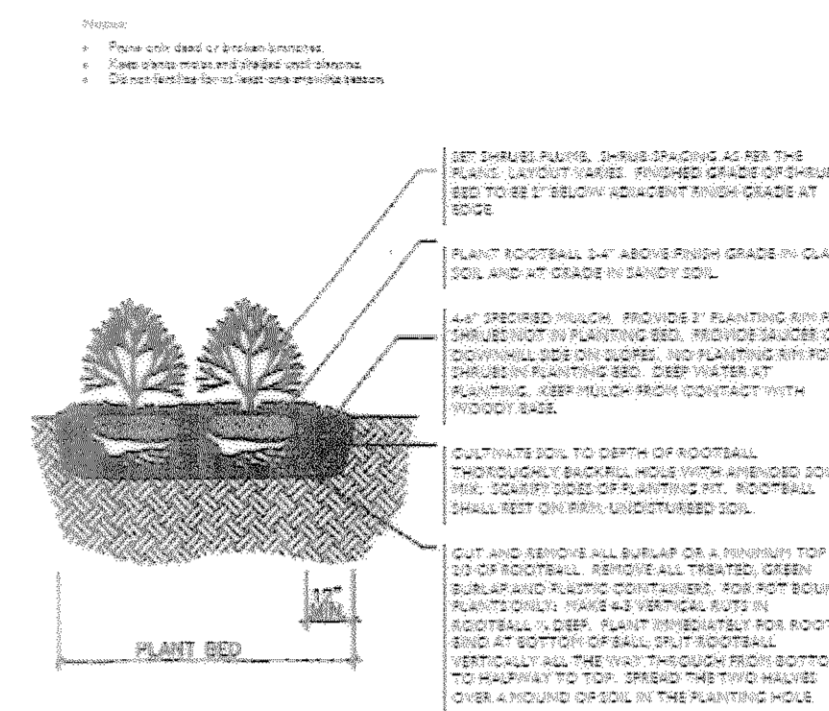
LOWE'S HWY, INC.
 1530 FARADAY AVE, SUITE 140
 CARLSBAD, CA 92008
 760.804.5300 (V) 760.818.9112 (F)



PLANT LIST, NOTES, & DETAILS
 LOT 1, CASTLE PINES
 COMMERCIAL FILING NO. 10A
 CASTLE ROCK, CO
 PROJECT NO. 10A
 DRAWN BY: [] CHECKED BY: []

ORIGINAL ISSUE DATE: 8-15-05
 PERMIT SET ISSUE DATE:
 CONSTRUCTION SET ISSUE DATE:
 DRAWING NUMBER:

TREE AND SHRUB PLANTING DETAILS



LANDSCAPE NOTES

- 1) No more than 25% of the total landscape area shall be comprised of non-living materials. Groundcovers and vines shall be spaced to provide 80% coverage within 2 to 3 years.
- 2) All irrigated turf areas shall be blue gramma grass. Areas shall be ripped and tilled to a minimum depth of 6" inches. 3 cubic yards per 1000 s.f. of specified organic material shall be incorporated into all landscape areas. A professional soils analysis shall be performed that recommends planting suitability prior to specifying soil amendment type. Turf is not to be installed on slopes greater than 3:1.
- 3) All landscape areas (except for temporary seed areas at out lots) shall be irrigated by a fully automatic, underground, commercial grade irrigation system. Turf areas shall be spray and shrub bed areas shall be drip irrigated. Irrigation zones shall be separated by water usage areas as designated on the approved plant list.
- 4) A separate irrigation tap shall be provided for the landscaping. Soil moisture sensors and master control valves shall be utilized to conserve water. A rain sensor shut-off device will also be provided. Backflow preventer to be approved by the Town of Castle Rock.
- 5) Xeriscape landscape principals shall be utilized throughout the site.
- 6) Irrigated seed areas shall be specified with a low growth variety that shall be irrigated and maintained at a maximum height of 6".
- 7) All right-of-way area landscaping and ongoing maintenance is the responsibility of the developer.
- 8) Maintain a minimum 3' clearance of all trees and shrubs around fire hydrants.
- 9) A minimum of 2 trees and 4 shrubs are required per 1,000 s.f. of the landscape area.
- 10) All landscape improvements shall be installed by the developer prior to the Certificate of Occupancy of the building.
- 11) Maintenance of all landscape improvements shall be the responsibility of the developer.
- 12) Existing landscaping over 4" caliper shall be shown on the plans and shall be preserved or transplanted during construction. Credits for existing plant material applies.
- 13) No objects may exceed a height of 30' within the sight triangle.
- 14) A five foot minimum setback shall be maintained to each side of all fire hydrants. Public utility easements shall be completely unobstructed.
- 14) No plant material is allowed in areas less than 4' wide.
- 15) Turf areas are to be a minimum of 10' wide.
- 16) No more than 60% of the total site area can be irrigated turf.
- 17) No trees and shrubs should be planted within 5' of a building.
- 18) All edger is to be Ryerson steel edger (OAE) with plastic protective covering on the exposed edge of the edger.
- 19) No trees, large shrubs, or permanent structures are allowed in existing and proposed utility and drainage easements.

LANDSCAPE CALCULATIONS

Lowe's of Castle Rock		
Area	s.f.	Percentage
Total Site Area	547,549	
Total Landscape Area Required (10%)	54,755	
Total Landscape Area Provided (18.3%) (excludes islands in streets and boulevards)	100,665	100%
Irrigated Turf	9,262	9.2%
Living Ground Cover	77,058	76.5%
Non-Living Ground Cover	14,345	14.3%
Wood Mulch	9,259	64.5%
Rock Mulch	5,086	35.5%
Non-Disturbed Areas	N/A	
Totals	100,665	100%
Required Trees (2 per 1,000 s.f.)	201	
Required Shrubs (4 per 1,000 s.f.)	402	
Provided Trees	222	
Provided Shrubs	1,194	

Lowe's of Castle Rock Parking Lot Calculations	
Area	s.f.
Parking Lot Area	241,964
Landscape Area Required (10%)	24,196
Landscape Area Provided (5.1%)*	12,406

* Note: Trees in parking islands directly adjacent to building upgraded to 3" caliper to offset deficiency.

PLANT MATERIAL LIST

QUANTITY	SYMBOL	COMMON/ BOTANICAL NAME	SIZE	COMMENTS	WATER REQUIREMENT DEFINITION
EVERGREEN TREES					
27	CS	Colorado Spruce <i>Picea pungens</i>	6' Ht. min.	Specimen Quality B&B, staked	High Water Zone
7	PP	Ponderosa Pine <i>Pinus ponderosa</i>	6' Ht. min.	Specimen Quality B&B, staked	Low Water Zone
17	AU	Austrian Pine <i>Pinus nigra</i>	6' Ht. Min.	Specimen Quality B&B, staked	Moderate Water Zone
DECIDUOUS SHADE TREES					
10	HB	Hackberry <i>Celtis occidentalis</i>	2" Cal.	Specimen Quality B&B, staked	Low Water Zone
55	KC	Kentucky Coffeetree <i>Gymnocladus dioica</i>	2" Cal.	Specimen Quality B&B, staked	Low Water Zone
16	HL	Skyline Honeylocust <i>Gleditsia triacanthos inermis 'Skyline'</i>	3" Cal.	Specimen Quality B&B, staked	Moderate Water Zone
27	EO	Columnar English Oak <i>Quercus robur 'Fastigiata'</i>	2" Cal.	Specimen Quality B&B, staked	Moderate Water Zone
7	AB	Autumn Blaze Maple <i>Acer x freemanii 'Jeffersred'</i>	2-3" Cal. (see plan)	Specimen Quality B&B, staked	Moderate Water Zone
ORNAMENTAL TREES					
4	AM	Ginnala Maple <i>Acer ginnala</i>	6' Ht. Multi	Specimen Quality B&B, staked	Moderate Water Zone
8	GO	Gambel Oak <i>Quercus gambellii</i>	6' Ht. Multi	Specimen Quality B&B, staked	Low Water Zone
23	TC	Thornless Cockspur Hawthorn <i>Crataegus crus-galli Var. inermis</i>	1.5' Cal.	Specimen Quality B&B, staked	Moderate Water Zone
15	CP	Chanticleer Pear <i>Pyrus calleryana 'Chanticleer'</i>	1.5' Cal.	Specimen Quality B&B, staked	Moderate Water Zone
DECIDUOUS SHRUBS					
57	AP	Abbotswood Potentilla <i>Potentilla fruticosa 'Abbotswood'</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Moderate Water Zone
177	LP	Little Princess Spirea <i>Spirea japonica 'Little Princess'</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Moderate Water Zone
82	RS	Russian Sage <i>Perovskia atriplicifolia</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Low Water Zone
29	SS	Staghorn Sumac <i>Rhus typhina</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Low Water Zone
100	SB	Scotch Lena Broom <i>Cytisus dallimorei 'Lena'</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Low Water Zone
74	PC	Peking Cotoneaster <i>Cotoneaster acutifolius</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Moderate Water Zone
81	DL	Dwarf Korean Lilac <i>Syringa meyeri</i>	5 gal.	Container, 5 canes min. 18"-24" ht.	Low Water Zone
EVERGREEN SHRUBS					
233	BJ	Buffalo Juniper <i>Juniperus sabinia 'Buffalo'</i>	5 gal.	Container 18"-24" spread	Moderate Water Zone
35	SG	Sea Green Juniper <i>Juniperus x media 'Sea Green'</i>	5 gal.	Container 18"-24" spread	Low Water Zone
298	WJ	Blue Rug Juniper <i>Juniperus horizontalis 'Wiltonii'</i>	5 gal.	Container 18"-24" spread	Low Water Zone
GRASSES					
204	FR	Feather Reed Grass <i>Calamagrostis arundinacea 'Karl Foerster'</i>	1 gal.	Container	Low Water Zone
94	BA	Blue Avena Grass <i>Helictotrichon sempervirens</i>	1 gal.	Container	Low Water Zone
PERENNIALS					
180	SD	Shasta Daisy <i>Leucanthemum x superbum 'Aleska'</i>	1 gal.	Container	Low Water Zone

GROUND COVER & MULCHES

1-1/2" DIAMETER FRACTURED GRANITE ROCK MULCH - INSTALL 16" WIDE BAND BEHIND CURBS IN THE PARKING LOT AND INTERIOR PARKING LOT ISLANDS

SHRUB BEDS
 4" DEPTH OF 1/2" FIR FIBER WOOD MULCH OVER FILTER FABRIC

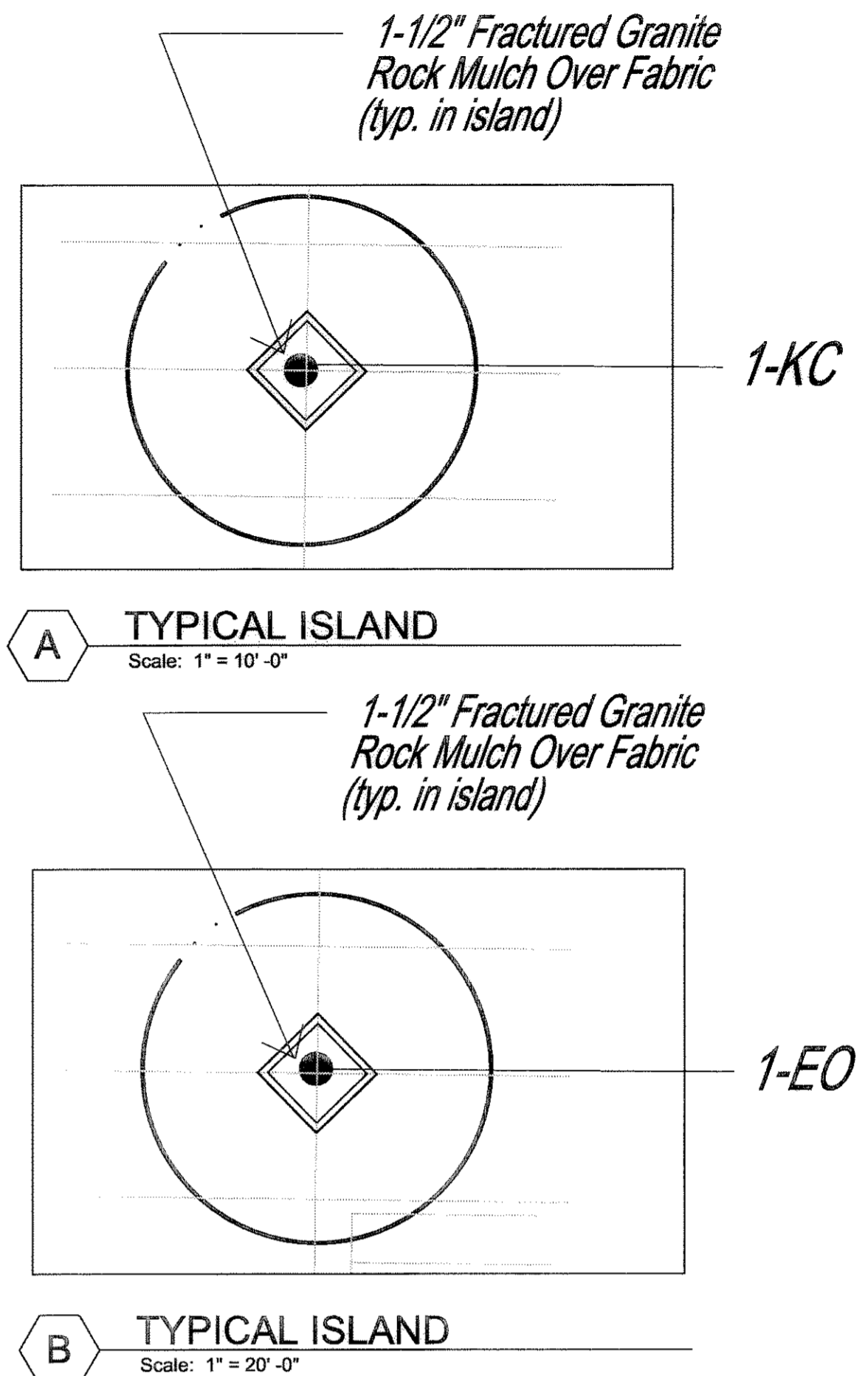
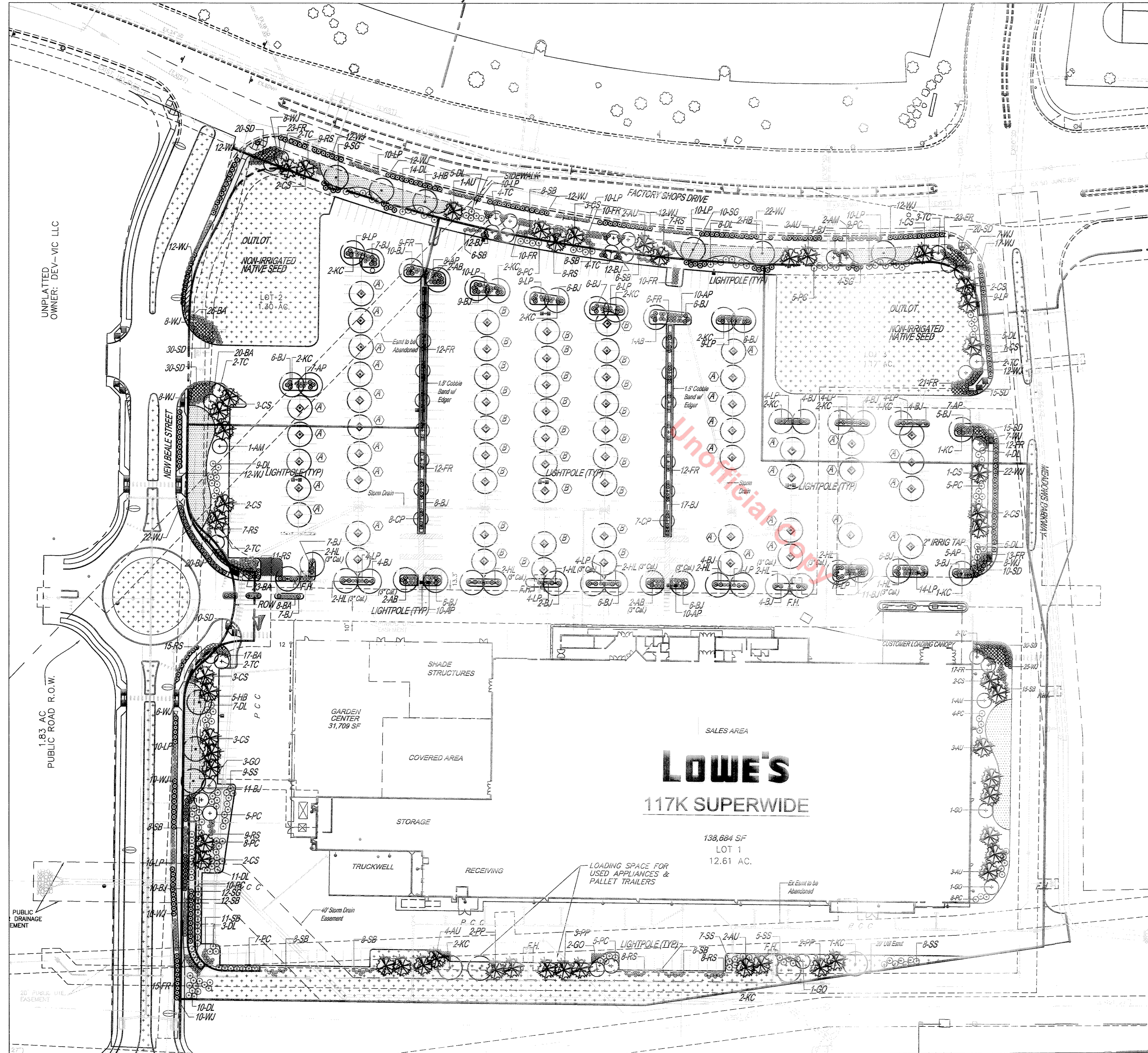
PERENNIALS / GRASSES
 3" DEPTH OF FIR FIBER WOOD MULCH WITHOUT FILTER FABRIC

IRRIGATED BLUE GRAMMA GRASS
 1-1/2 PL/36 per 1,000 s.f.

NON-IRRIGATED TEMPORARY NATIVE SEED MIXTURE:
 JOBBEY: PUSSEYENT WHEATGRASS 15%
 WESTERN WHEATGRASS 25%
 SLENDER WHEATGRASS 15%
 STREPTOGONUM WHEATGRASS 45%
 RATE: DRILL SEED AT 10-15 LBS/ACRE

FINAL PD SITE PLAN

LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A



GROUND LOGIC
 LANDSCAPE ARCHITECTURE & CONSULTING
 2038 GROVE STREET, BOULDER, CO 80302 • OFFICE 303-733-8333 • FAX 805-465-0422 • info@groundlogic.com

August 10, 2006

LANDSCAPE WATER COMPOSITE ANALYSIS

Project: Lowe's of Castle Rock
 Castle Rock, Colorado

Total Landscape Area	=	100,665 sf
Very Low Water Zone	=	55,502 sf
Low Water Zone	=	35,901 sf
Moderate Water Zone	=	9,262 sf

1. Landscape Water Use Rating (LWUR)

a) Very Low Water Zone	=	5' / 5.0	=	1.0
b) Low Water Zone	=	10' / 5.0	=	2.0
c) Moderate Water Zone	=	15' / 5.0	=	3.0

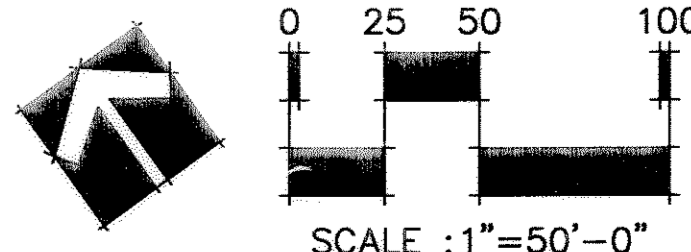
2. Composite Landscape Water Use (CLWUR)

a) Very Low Water Zone	=	1.0 * 55,502 sf / 100,665 sf =	0.551
b) Low Water Zone	=	2.0 * 35,901 sf / 100,665 sf =	0.713
c) Moderate Water Zone	=	3.0 * 9,262 sf / 100,665 sf =	0.276
			Total CLWUR = 1.540

The landscape design is in compliance with the Town of Castle Rock's requirements since the total CLWUR of 1.540 is less than the allowable CLWUR of 2.5.

LANDSCAPE ARCHITECT:
GROUND LOGIC
 LANDSCAPE ARCHITECTURE & CONSULTING
 2038 GROVE ST.
 BOULDER, CO 80302
 PH: (303) 733-8333

CASTLE ROCK REGISTRATION NUMBER : 6110



REVISIONS

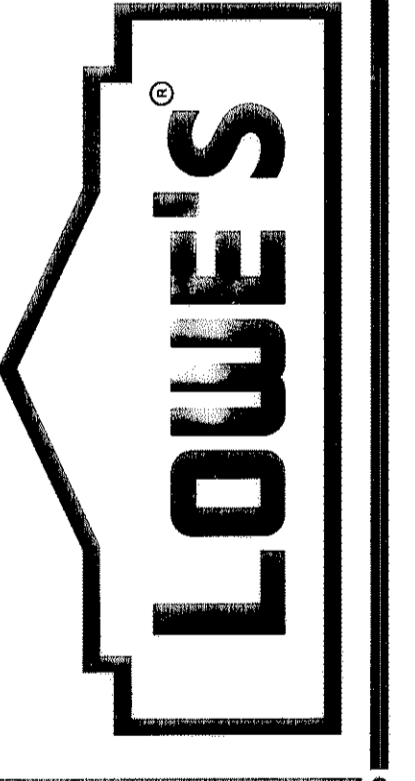
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5-01-06	BID SET
5-10-06	3RD CITY SUBMITTAL
6-15-06	FINAL PD SUBMITTAL
7-17-06	CITY REVIEW - PD
7-21-06	PLAN CHANGES
8-10-06	MYLAR SET

Planning/Civil Engineering/Surveying
 1920 MAIN STREET, SUITE 500, IRVINE, CA 92614
 TEL: (949) 486-0777 FAX: (949) 486-0778
 246 E. WARM SPRINGS ROAD, SUITE 100, LAS VEGAS, NV 89118
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EN ENGINEERING

LOWE'S HWY, INC.
 1530 FARADAY AVE., SUITE 140
 CARLSBAD, CA 92008
 760.804.5200 (V) 760.918.9112 (F)

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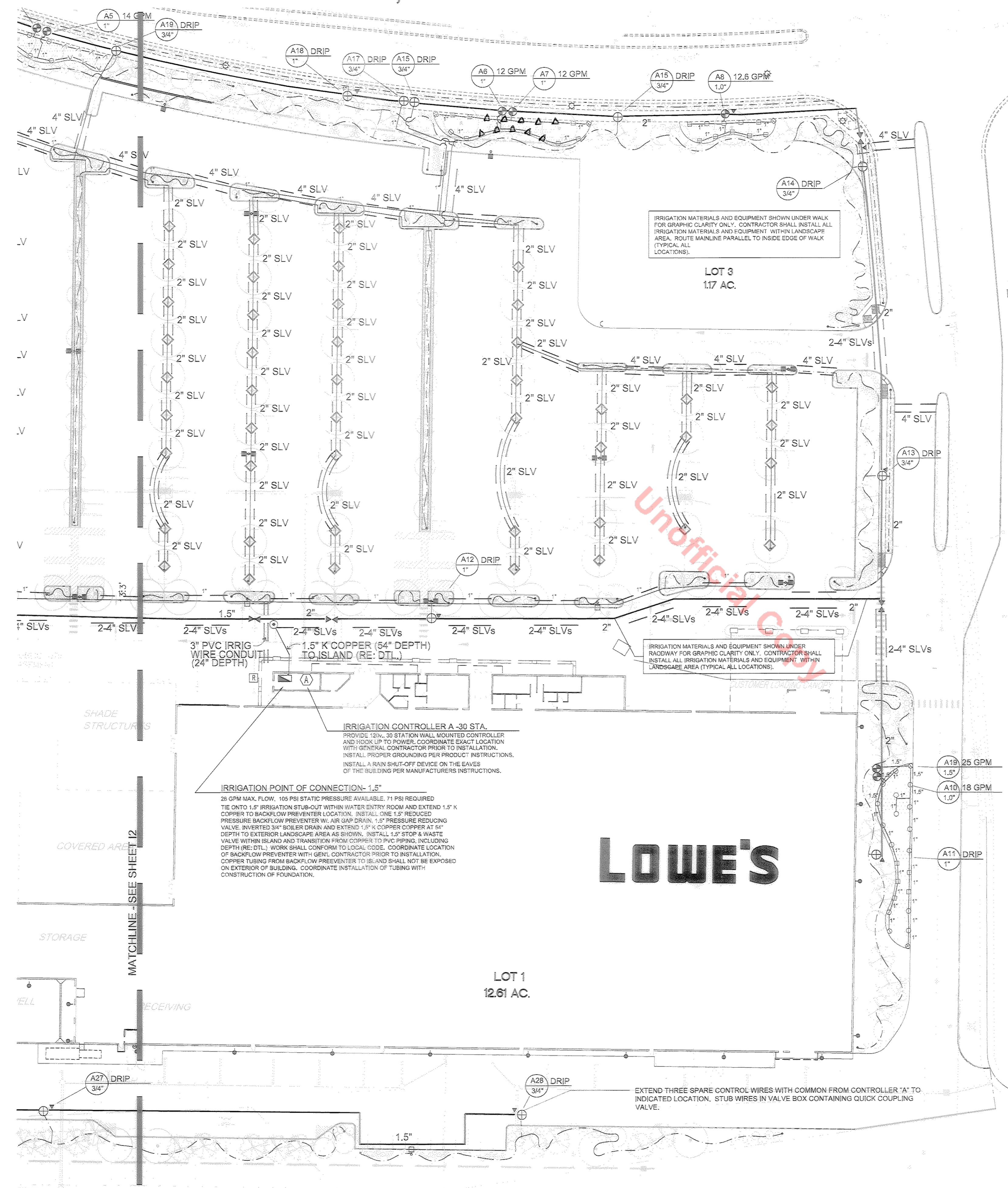
LANDSCAPE PLAN
 LOT 1, CASTLE PINES
 COMMERCIAL FILING NO. 10A
 CASTLE ROCK, CO

ORIGINAL ISSUE DATE: 9-15-05
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 CONSTRUCTION SET ISSUE DATE:
 DRAWING NUMBER:
L2
 7 of 9 SHEETS

FINAL PD SITE PLAN LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A

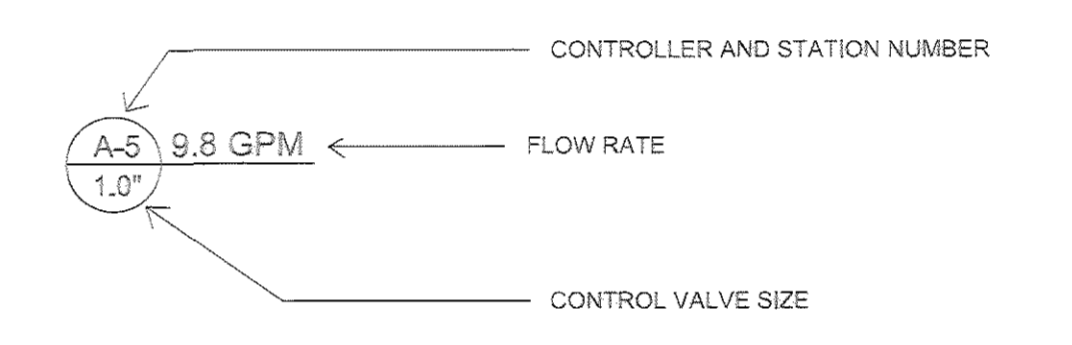
Avocet
IRRIGATION DESIGN
7114 W. JEFFERSON AVENUE, SUITE 201
LAKEWOOD, COLORADO 80235
VOICE: 303.986.2175
FAX: 303.989.5814

DATE	DESCRIPTION
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5-10-06	3RD CITY SUBMITTAL
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7-21-06	PLAN CHANGES
8-10-06	MYLAR SET



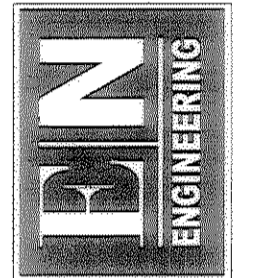
IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NO./ DESCRIPTION	PSI	RAD.
	HUNTER	PGJ-04 POP-UP ROTOR W/ 1.5 NOZZLE - ADJUSTABLE	40	22'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 15' RADIUS	30	15'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 12' RADIUS	30	12'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 10' RADIUS	30	10'
	RAINBIRD	PEB SERIES REMOTE CONTROL VALVE - SEE PLAN FOR SIZE		
	RAINBIRD	XCZ-LF-075 (3/4")XCZ-100-B-COM (1") DRIP VALVE ASSEMBLIES		
	RAINBIRD	33DLRC QUICK COUPLING VALVE		
	FEBCO	1.5" 860U BACKFLOW PREVENTER		
	HUNTER	ACC-M SERIES 30 STATION CONTROLLER - WALL MOUNTED		
	HUNTER	MINI-CLIK RAIN SHUTOFF DEVICE		
		DRIP BLOW OUT VALVE - LINE SIZE		
	TORO	DURA-POL DRIP TUBING		
		CLASS 200 BE PVC LATERAL (1" DIA. SIZE UNLESS OTHERWISE NOTED)		
		CLASS 200 BE PVC MAINLINE (DIA. AS NOTED ON PLAN)		
		CLASS 160 PVC SLEEVING (SEE PLAN FOR SIZE)		
		1.5" STOP & WASTE VALVE		

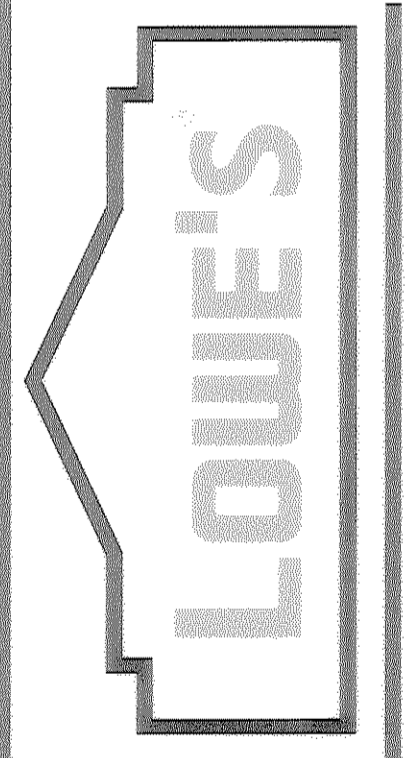


LOWE'S

Planning/ Civil Engineering/ Surveying
1800 MAIN STREET, SUITE 600, IRVING, CA 92614
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249 E. WARR SPRINGS ROAD, SUITE 100, LAS VEGAS, NV 89119
TEL: (702) 886-6001 FAX: (702) 886-6005

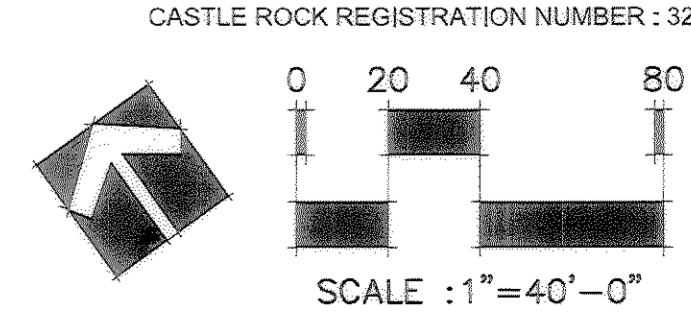


LOWE'S HOME IMPROVEMENT
1530 PARADISE AVENUE, SUITE 140
CARLSBAD, CA 92008
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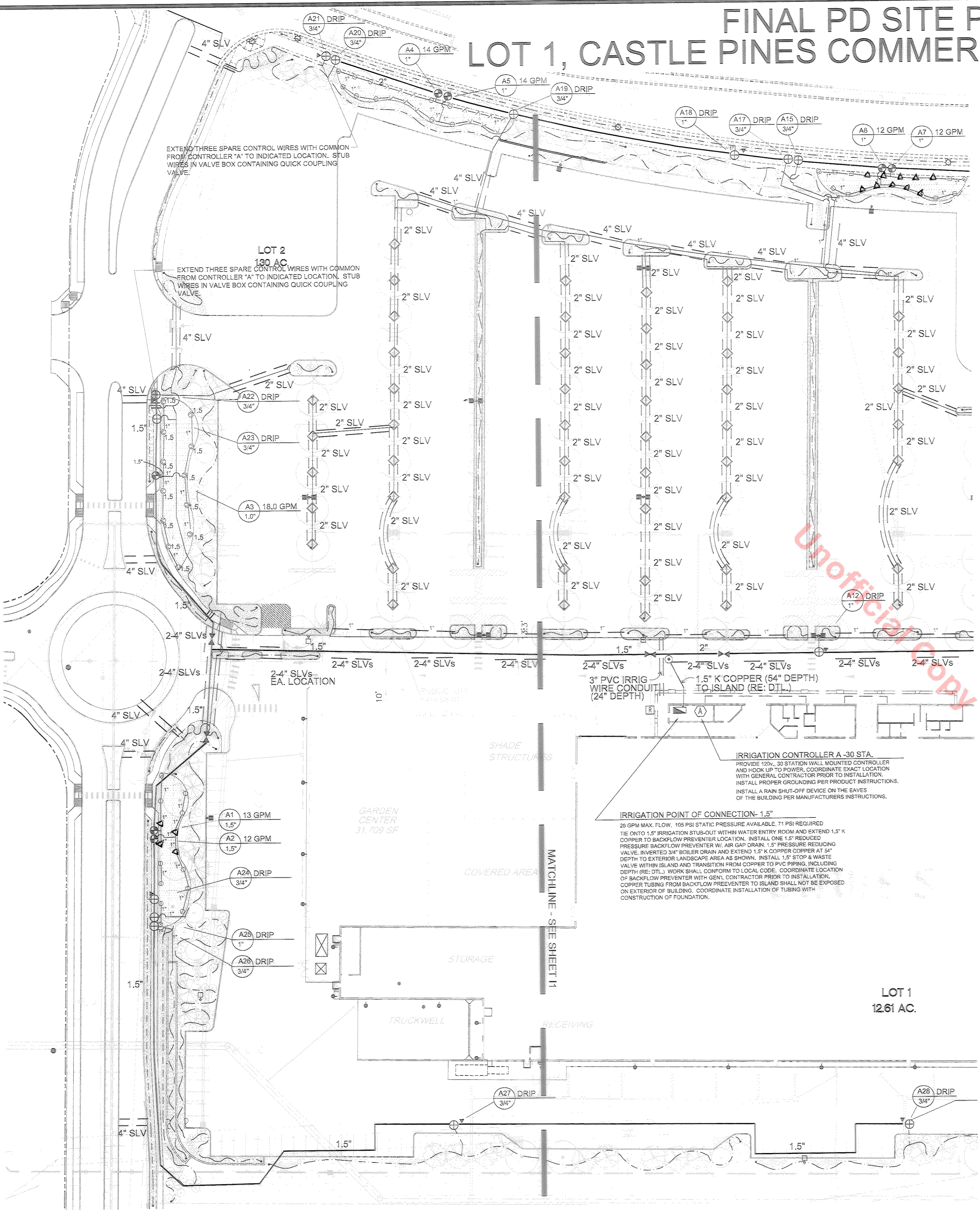
IRRIGATION PLAN
LOT 1, CASTLE PINES
COMMERCIAL FILING NO. 10A
CASTLE ROCK, CO

LANDSCAPE ARCHITECT:
2038 GROVE ST.
BOULDER, CO 80502
PH: (303) 733-8333



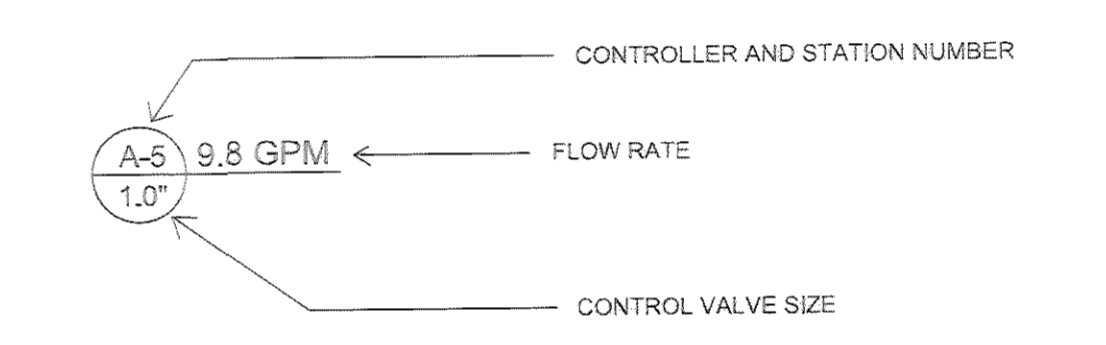
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PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE:
DRAWING NUMBER: 11

FINAL PD SITE PLAN LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A



IRRIGATION LEGEND

SYMBOL	MANUFACTURER	MODEL NO./ DESCRIPTION	PSI	RAD.
	HUNTER	PGJ-04 POP-UP ROTOR W/ 1.5 NOZZLE - ADJUSTABLE	40	22'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 15' RADIUS	30	15'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 12' RADIUS	30	12'
	RAINBIRD	RAINBIRD 1804 SAM PRS SERIES 4" POP-UP SPRAYHEAD - 10' RADIUS	30	10'
	RAINBIRD	PEB SERIES REMOTE CONTROL VALVE - SEE PLAN FOR SIZE		
	RAINBIRD	X0Z-LF-075 (3/4")X0Z-100-B-COM (1") DRIP VALVE ASSEMBLIES		
	RAINBIRD	33DLRC QUICK COUPLING VALVE		
	FEBCO	1.5" 860U BACKFLOW PREVENTER		
	HUNTER	ACC-M SERIES 30 STATION CONTROLLER - WALL MOUNTED		
	HUNTER	MINI-CLICK RAIN SHUTOFF DEVICE		
		DRIP BLOW OUT VALVE - LINE SIZE		
	TORO	DURA-POL DRIP TUBING		
		CLASS 200 BE PVC LATERAL (1" DIA. SIZE UNLESS OTHERWISE NOTED)		
		CLASS 200 BE PVC MAINLINE (DIA. AS NOTED ON PLAN)		
		CLASS 160 PVC SLEEVING (SEE PLAN FOR SIZE)		
		1.5" STOP & WASTE VALVE		



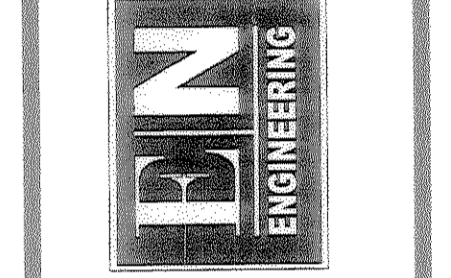
IRRIGATION CONTROLLER A-30 STA.
 PROVIDE 120V, 30 STATION WALL MOUNTED CONTROLLER AND HOOK UP TO POWER. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION. INSTALL PROPER GROUNDING PER PRODUCT INSTRUCTIONS. INSTALL A RAIN SHUT-OFF DEVICE ON THE GAVES OF THE BUILDING PER MANUFACTURERS INSTRUCTIONS.

IRRIGATION POINT OF CONNECTION- 1.5"
 25 GPM MAX. FLOW. 105 PSI STATIC PRESSURE AVAILABLE. 71 PSI REQUIRED TO ONTO 1.5" IRRIGATION STUB-OUT WITHIN WATER ENTRY ROOM AND EXTEND 1.5" K COPPER TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 1.5" REDUCED PRESSURE BACKFLOW PREVENTER W/ AIR GAP DRAIN. 1.5" PRESSURE REDUCING VALVE. INVERTED 3/4" BUBBLER DRAIN AND EXTEND 1.5" K COPPER COPPER AT 4" DEPTH TO EXTERIOR LANDSCAPE AREA AS SHOWN. INSTALL 1.5" STOP & WASTE VALVE WITHIN ISLAND AND TRANSITION FROM COPPER TO PVC PIPING, INCLUDING DEPTH (RE: DTL.) WORK SHALL CONFORM TO LOCAL CODES. COORDINATE LOCATION OF BACKFLOW PREVENTER WITH GENL. CONTRACTOR PRIOR TO INSTALLATION. COPPER TUBING FROM BACKFLOW PREVENTER TO ISLAND SHALL NOT BE EXPOSED ON EXTERIOR OF BUILDING. COORDINATE INSTALLATION OF TUBING WITH CONSTRUCTION OF FOUNDATION.

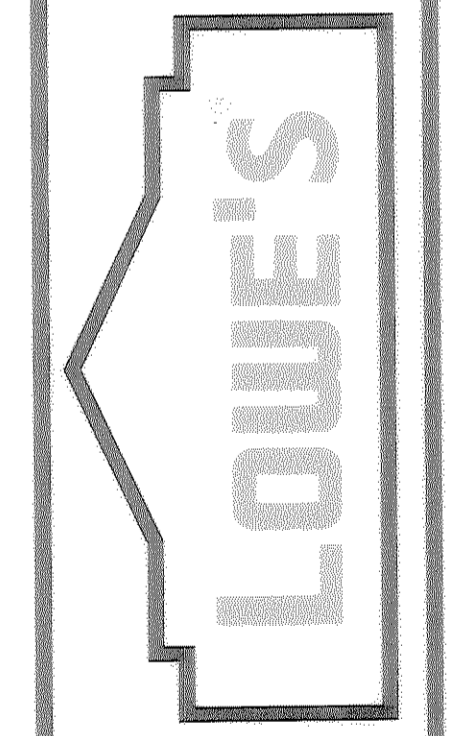
REVISIONS

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8-10-06	MYLAR SET

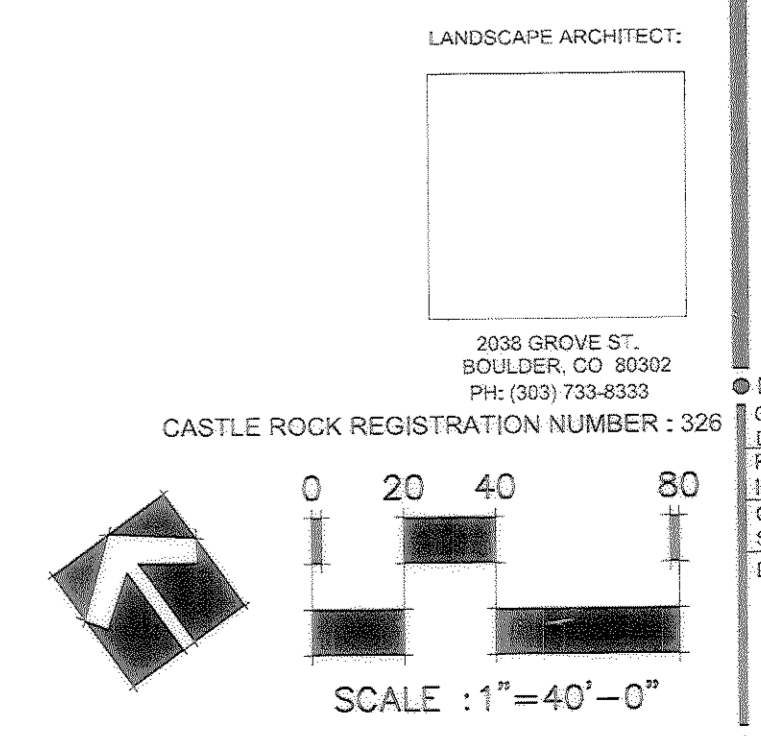
Planning/Civil Engineering/Surveying
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 7114 W. JEFFERSON AVENUE, SUITE 201
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 FAX: 303.969.5614

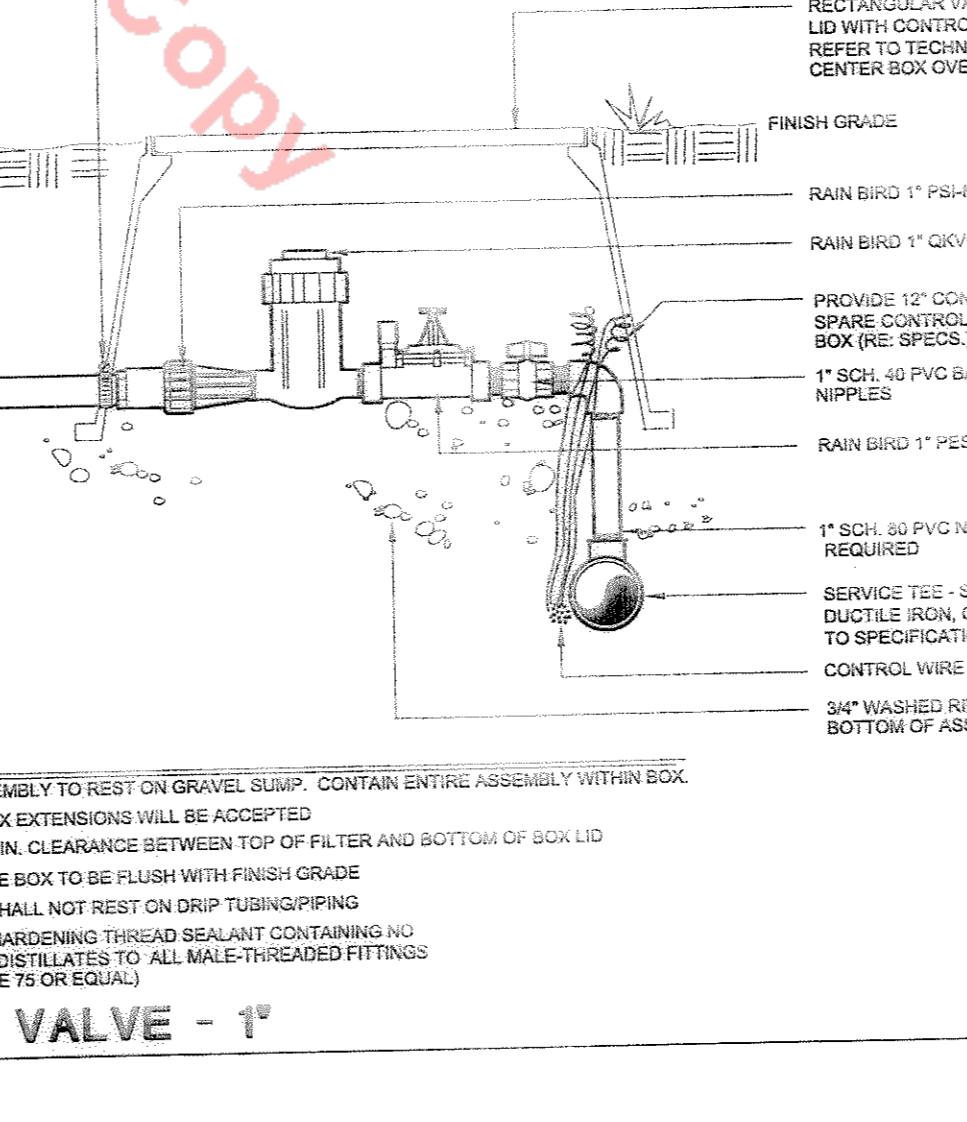
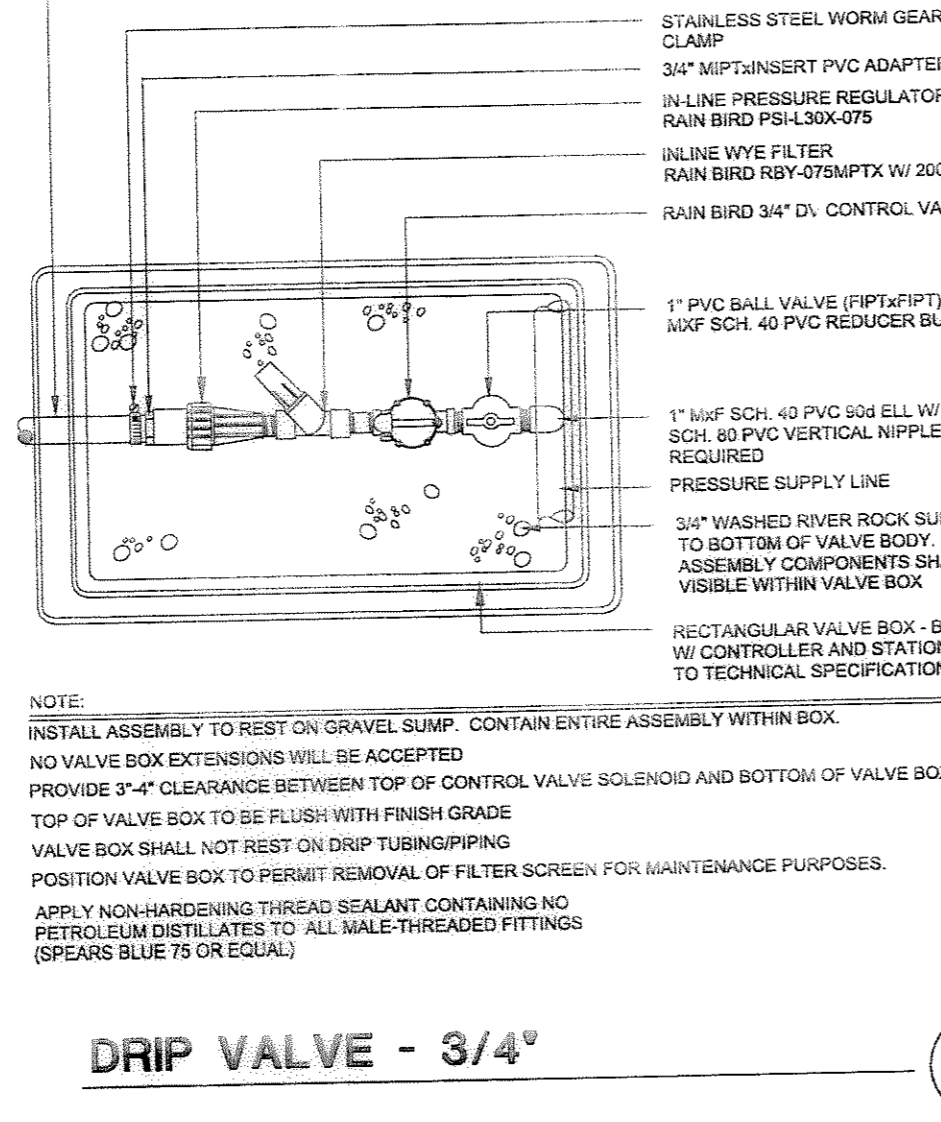
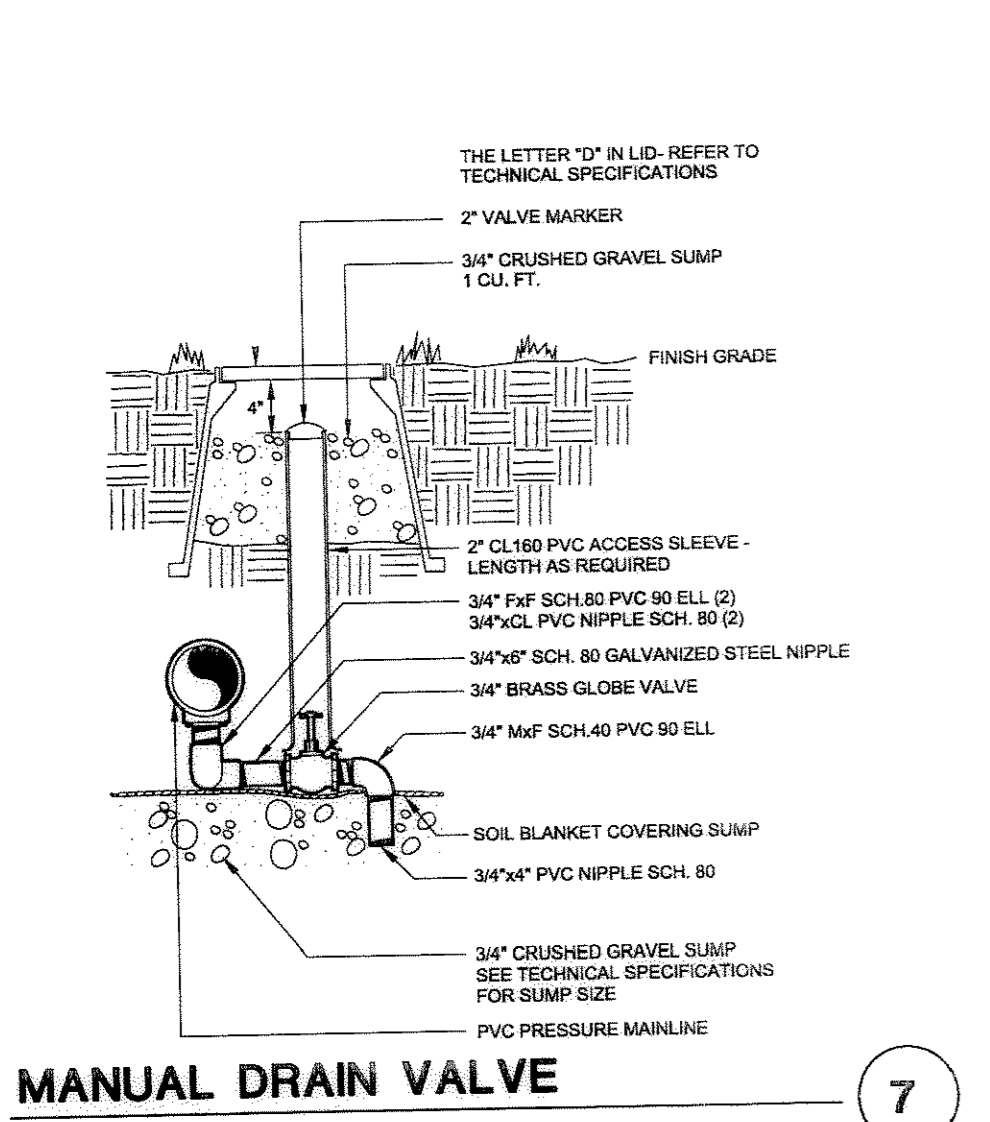
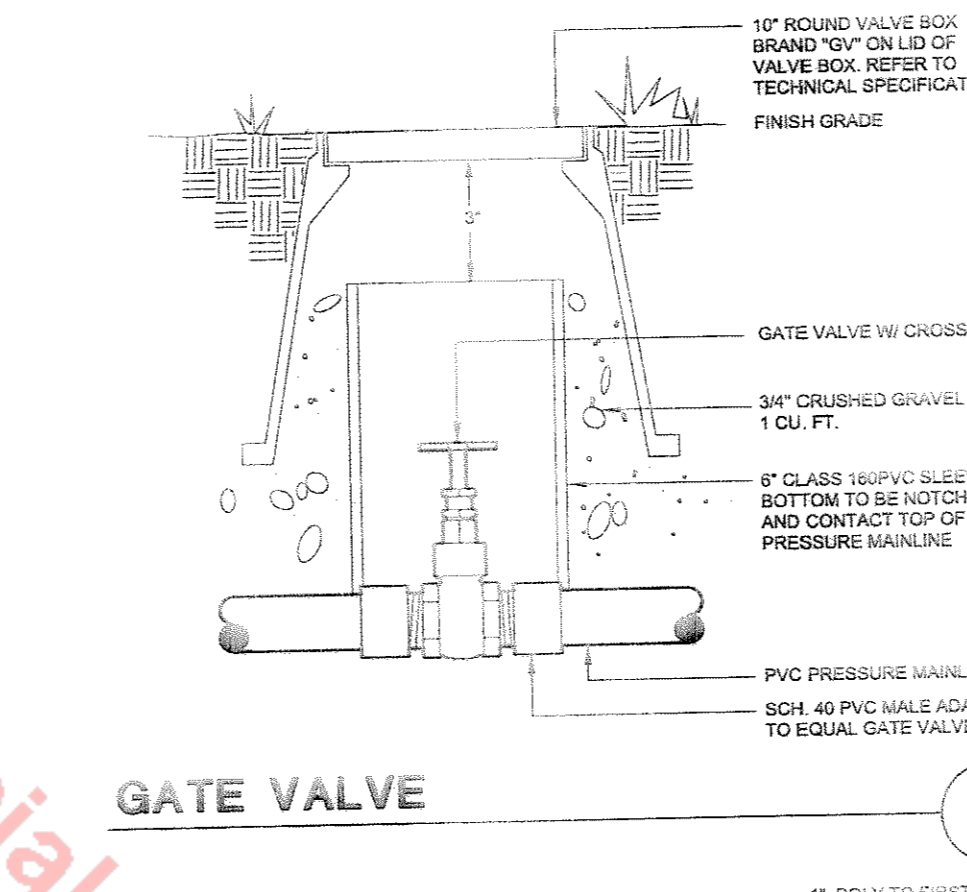
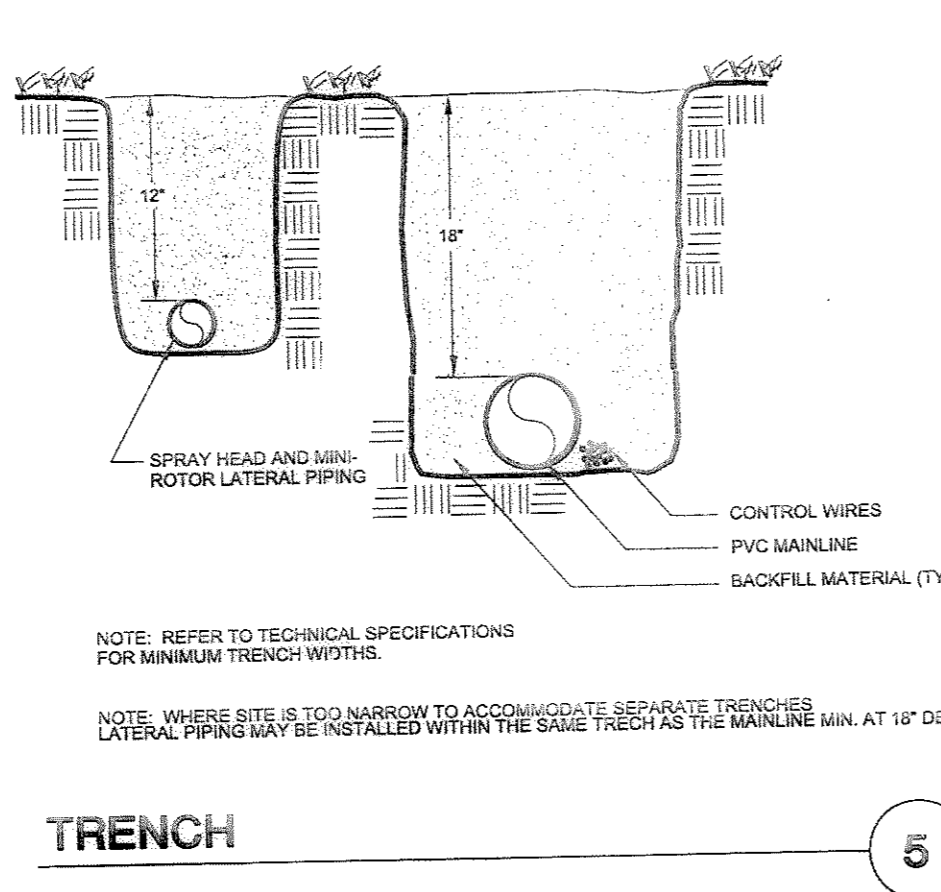
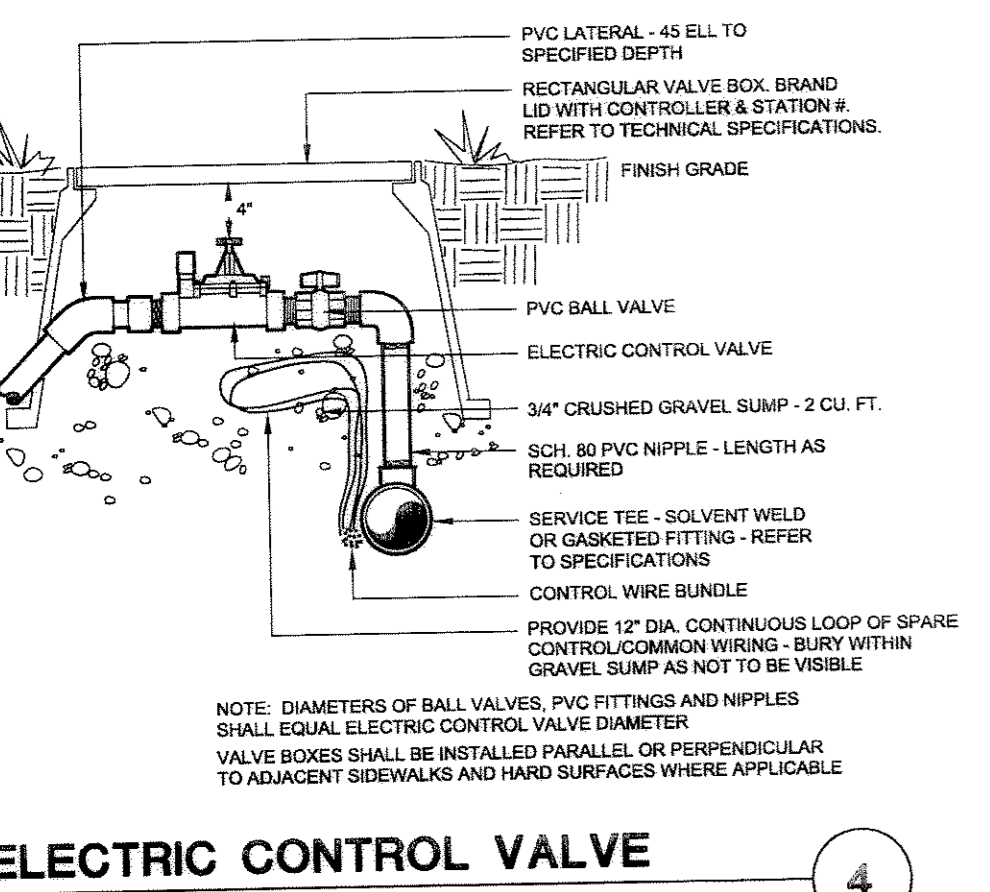
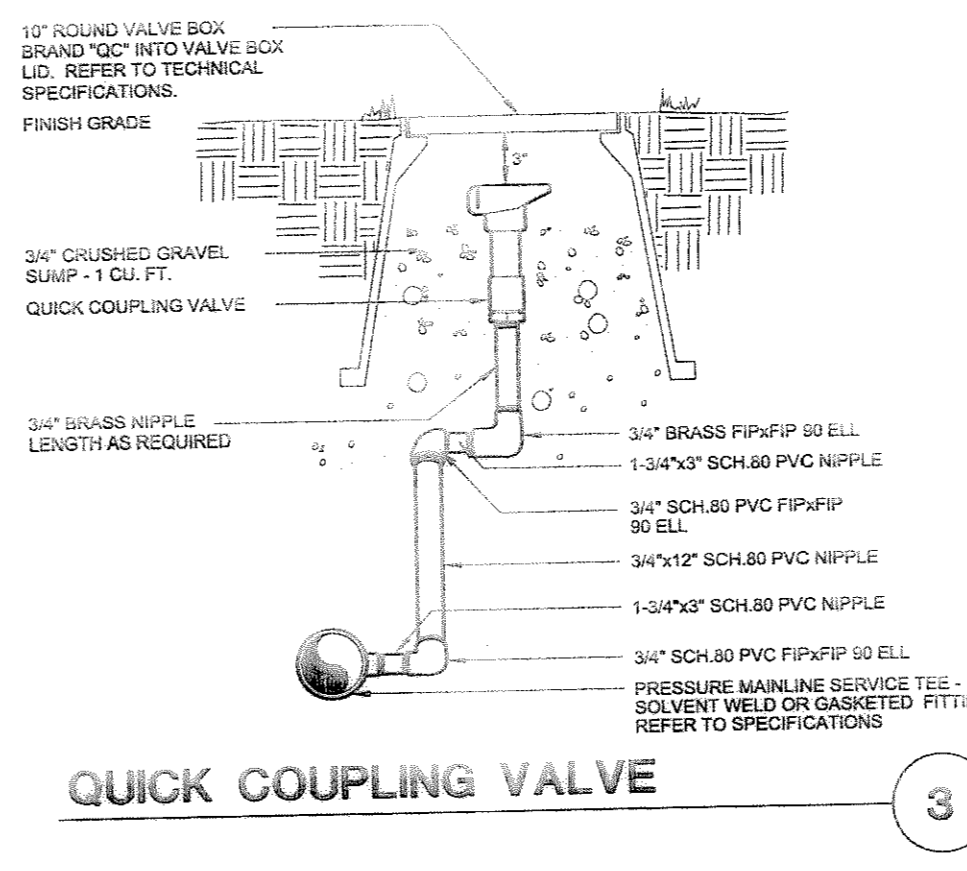
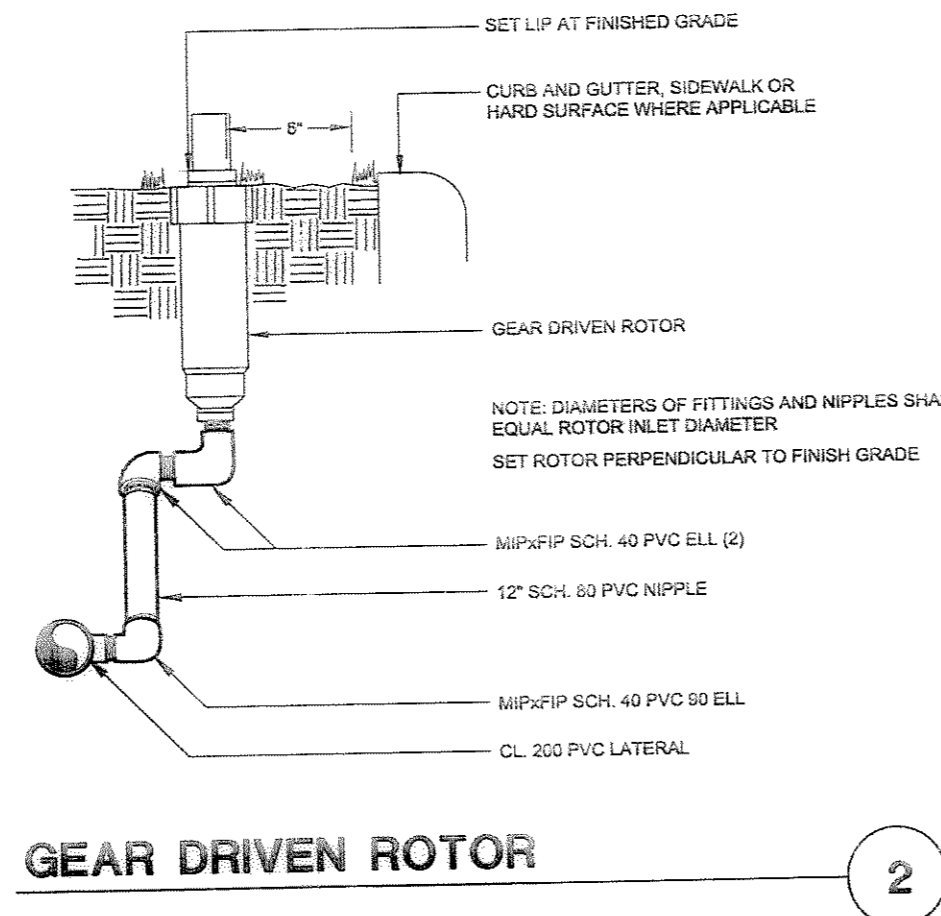
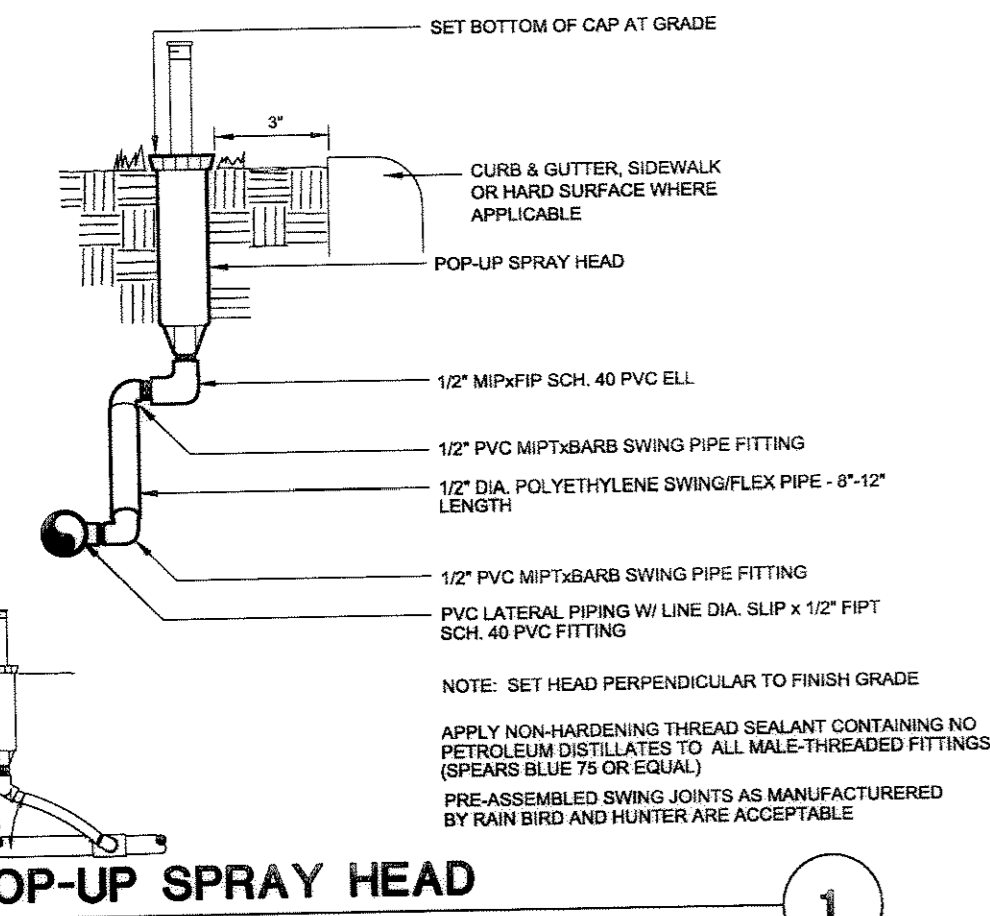


IRRIGATION PLAN
 LOT 1, CASTLE PINES
 COMMERCIAL FILING NO. 10A
 CASTLE ROCK, CO

PROJECT NO.:
 DRAWN BY:
 CHECKED BY:
 ORIGINAL ISSUE DATE: 9-15-06
 PERMIT SET ISSUE DATE:
 CONSTRUCTION SET ISSUE DATE:
 DRAWING NUMBER:
 12
 9 of 17

FINAL PD SITE PLAN LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A

IRRIGATION DETAILS



IRRIGATION CONSTRUCTION NOTES

- ALL BASE INFORMATION HAS BEEN TAKEN FROM DRAWINGS PREPARED BY THE ENGINEER.
- CONTRACTOR SHALL FIELD VERIFY PRESSURE AT POC PRIOR TO STARTING WORK AND NOTIFY CONSULTANT OF ANY DIFFERENCE FROM STATED PRESSURE. IF CONTRACTOR FAILS TO NOTIFY CONSULTANT OF ANY DIFFERENCES IN PRESSURE HE ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS. PRESSURE AT POC IS 90 PSI.
- WHERE SLEEVES ARE REQUIRED, IRRIGATION CONTRACTOR TO COORDINATE INSTALLATION OF NEW SLEEVES WITH INSTALLATION OF CONCRETE FLATWORK AND PAVING.
- LOCATE ALL IRRIGATION PARTS IN COORDINATION WITH LANDSCAPE PLAN. ADJUST ALL HEADS AS NECESSARY TO ACHIEVE HEAD TO HEAD COVERAGE WITHOUT SPRAYING ONTO HARDSCAPE, SIGNAGE OR BUILDING.
- IRRIGATION CONTRACTOR TO PROVIDE TWO (4) EXTRA IRRIGATION CONTROL WIRES IN A VALVE BOX TO THE LOCATIONS SPECIFIED ON THE IRRIGATION PLAN.
- THE IRRIGATION PLAN IS DIAGRAMATIC. ALL IRRIGATION EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY. ALL IRRIGATION EQUIPMENT IS TO BE INSTALLED IN PLANTED AREAS.
- INSTALL ALL VALVE BOXES PARALLEL TO EDGE OF PAVED SURFACES.
- DIRECT VERTICAL RISERS FROM LATERAL PIPELINES ARE NOT ACCEPTABLE. OFFSET TO PREVENT BREAKAGE.
- PROVIDE MANUAL DRAIN VALVES AT LOW POINTS ALONG MAINLINE AS NECESSARY.
- ALL IRRIGATION CONTROL WIRE TO BE AWG #14 UFUL (RED). USE 3M DBY WATERPROOF CONNECTORS AT WIRE SPLICES. COMMON WIRING SHALL BE #12 AWG UFUL (WHITE).
- ALL PIPE TO BE PVC CL. 200 WITH SCH. 40 PVC FITTINGS.
- IRRIGATION SYSTEM TO BE WINTERIZED AND BLOWN OUT WITH AN AIR COMPRESSOR. QUICK COUPLER ATTACHMENT PROVIDED AT POC.
- ACCURATE AS-BUILT PLANS WITH DIMENSIONS IN FEET AND INCHES SHALL BE TURNED OVER LANDSCAPE ARCHITECT.
- TURN OVER: PROVIDE 1 QUICK COUPLER KEY, ONE DRAIN VALVE KEY, CONTROLLER KEYS AND ALL AND VALVE NUMBERS INSIDE CONTROLLER DOOR.
- BACKFILL ALL TRENCHES TO 95% PROCTOR DENSITY. REPLACE SOILS DUE TO SETTLEMENT.
- ALL IRRIGATION HEADS TO BE SPACED TO ACHIEVE HEAD TO HEAD COVERAGE.
- IRRIGATION CONTROLLER TO BE WALL MOUNTED AT LOCATION SHOWN ON PLAN. COORDINATE FINAL LOCATION WITH GENERAL CONTRACTOR / OWNERS REPRESENTATIVE.
- ALL HEADS TO BE NOZZLED AND SPACED TO AVOID OVER SPRAY ONTO BUILDING WINDOWS.
- ALL LATERAL LINE PIPE TO BE 1\"/>

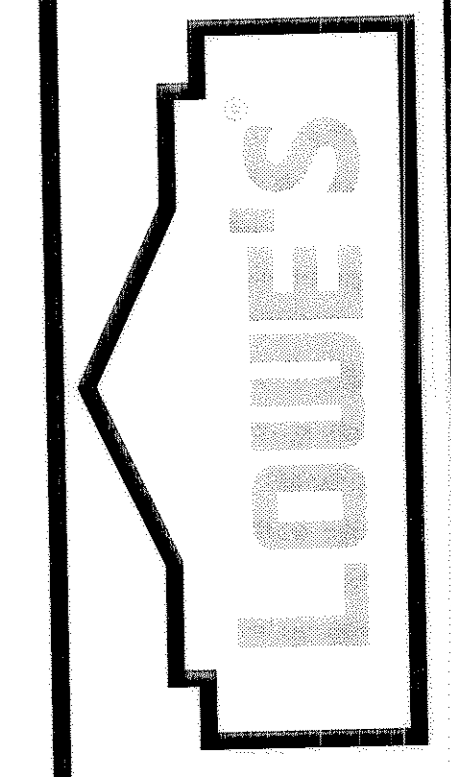
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8-10-06	MYLAR SET

Planning/Civil Engineering/Surveying
 1920 MAIN STREET, SUITE 850, IRVINE, CA 92614
 TEL: (949) 448-0777 FAX: (949) 448-0779
 240 E. WASH SPRINGS ROAD, SUITE 101, LAS VEGAS, NV 89119
 TEL: (702) 896-8004 FAX: (702) 896-8005

EN
ENGINEERING

TBD

LOVE'S
 1530 PARKWAY AVE, SUITE 100
 CASTLE ROCK, CO 80107



IRRIGATION NOTES & DETAILS
 LOT 1, CASTLE PINES
 COMMERCIAL FILING NO. 10A
 CASTLE ROCK, CO

Avocet
 IRRIGATION DESIGN
 7114 W. JEFFERSON AVENUE, SUITE 201
 LAKEWOOD, COLORADO 80235
 VOICE: 303.986.2175
 FAX: 303.989.5814

LANDSCAPE ARCHITECT:
 2038 GROVE ST.
 BOULDER, CO 80302
 PH: (303) 733-8333
 CASTLE ROCK REGISTRATION NUMBER : 326

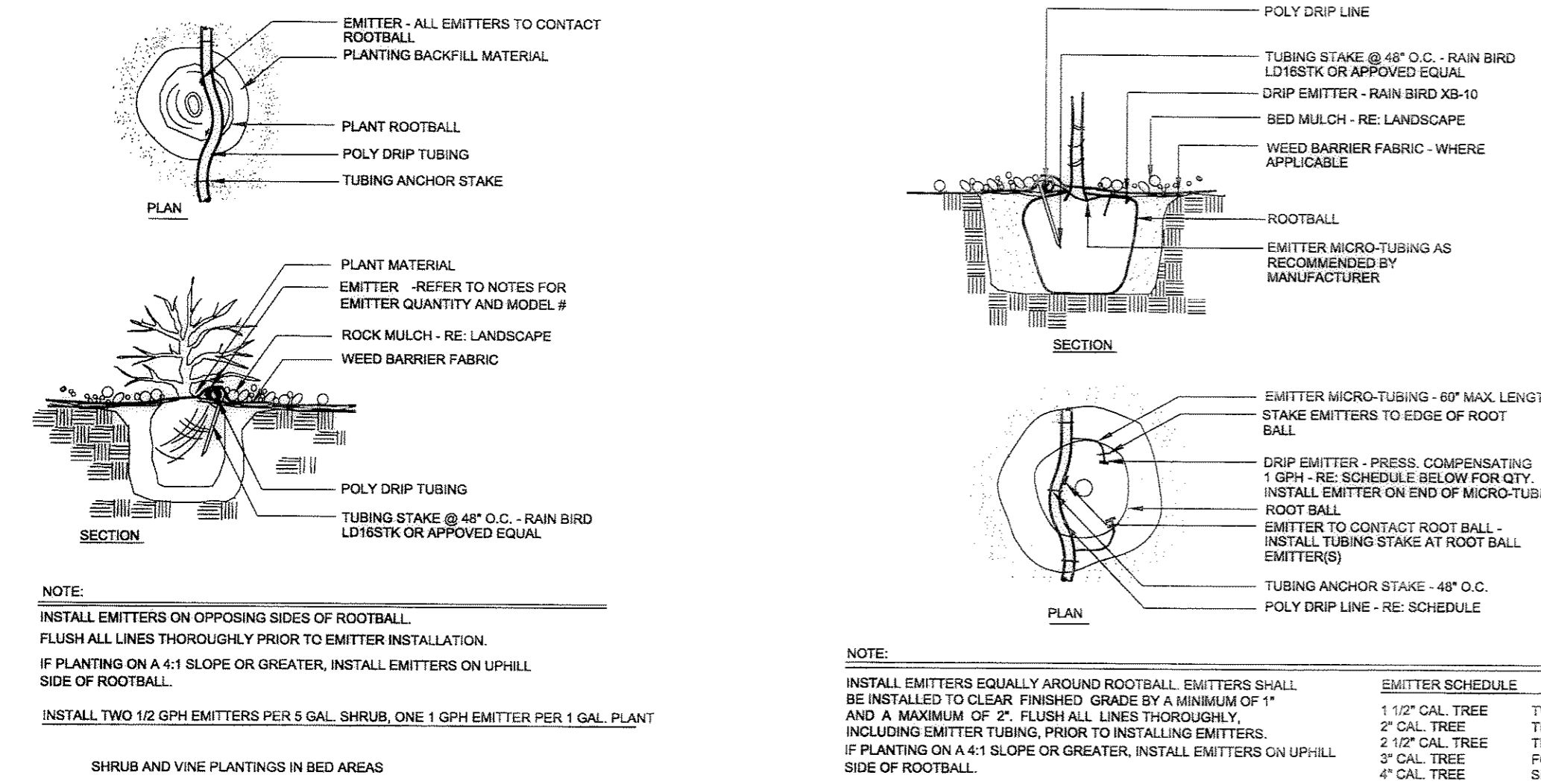
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DRAWING NUMBER:

13
of 17

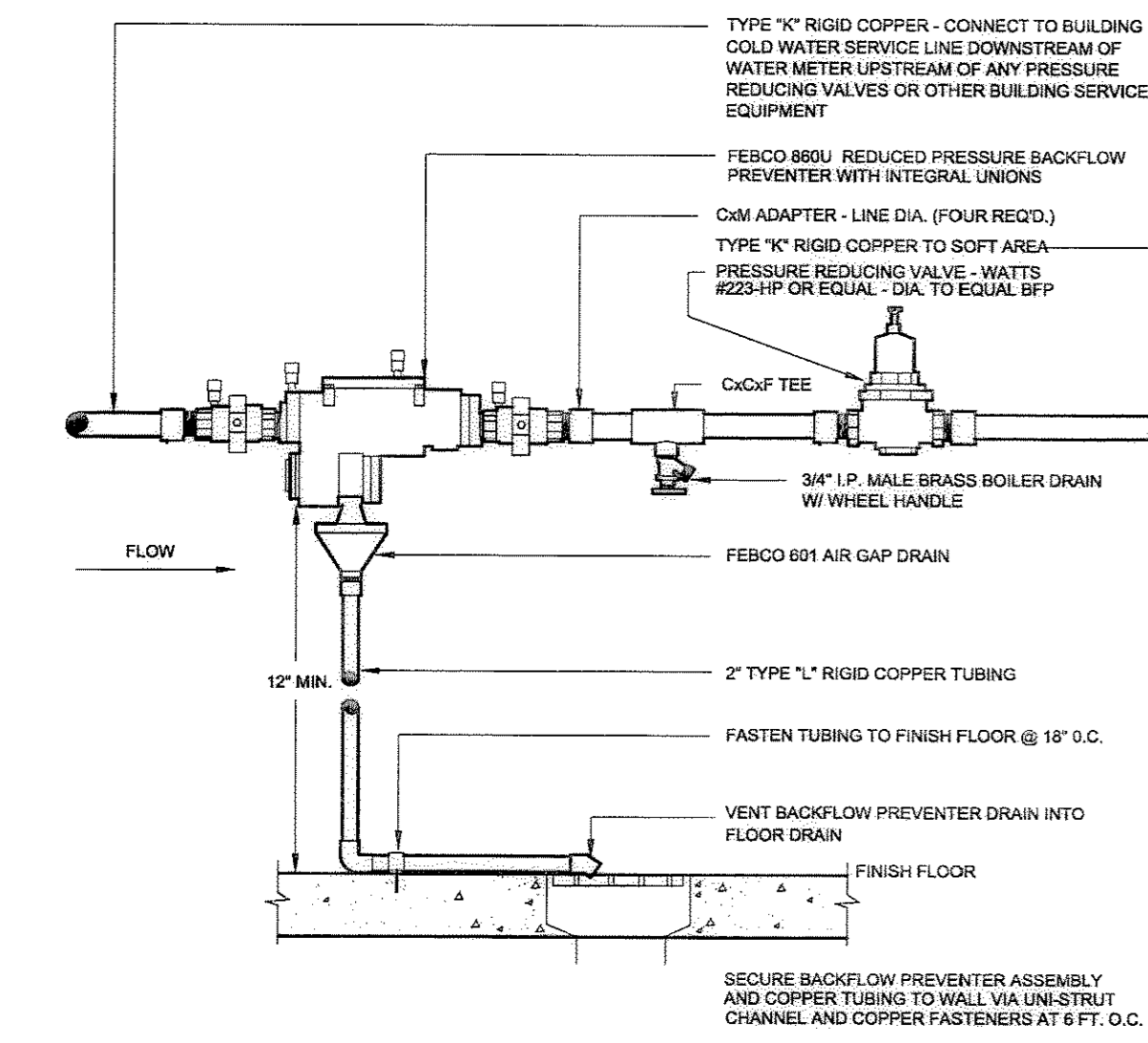
Unofficial Copy

FINAL PD SITE PLAN LOT 1, CASTLE PINES COMMERCIAL FILING NO. 10A

IRRIGATION DETAILS

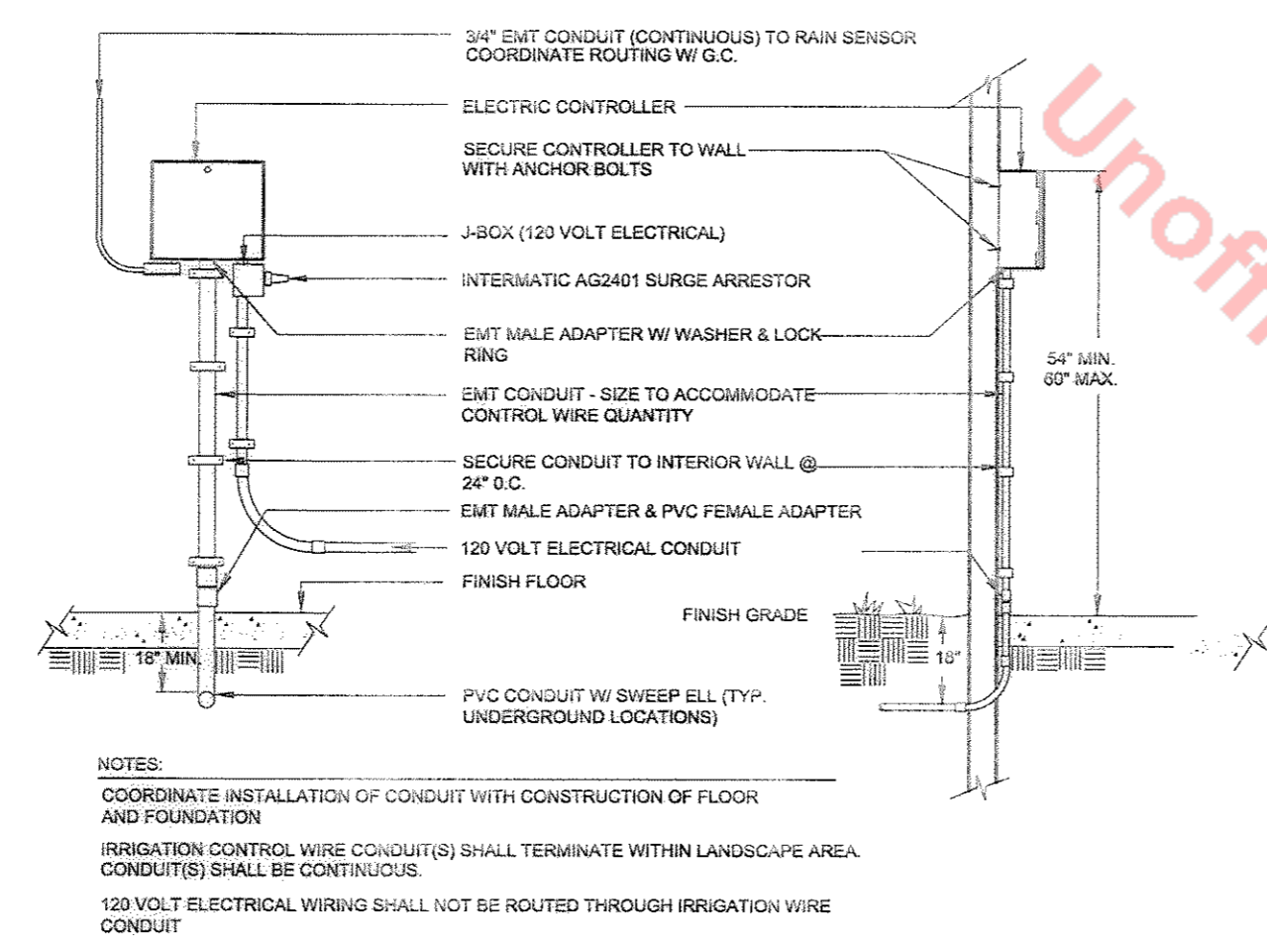


DRIP EMITTER - BED AREAS ONLY



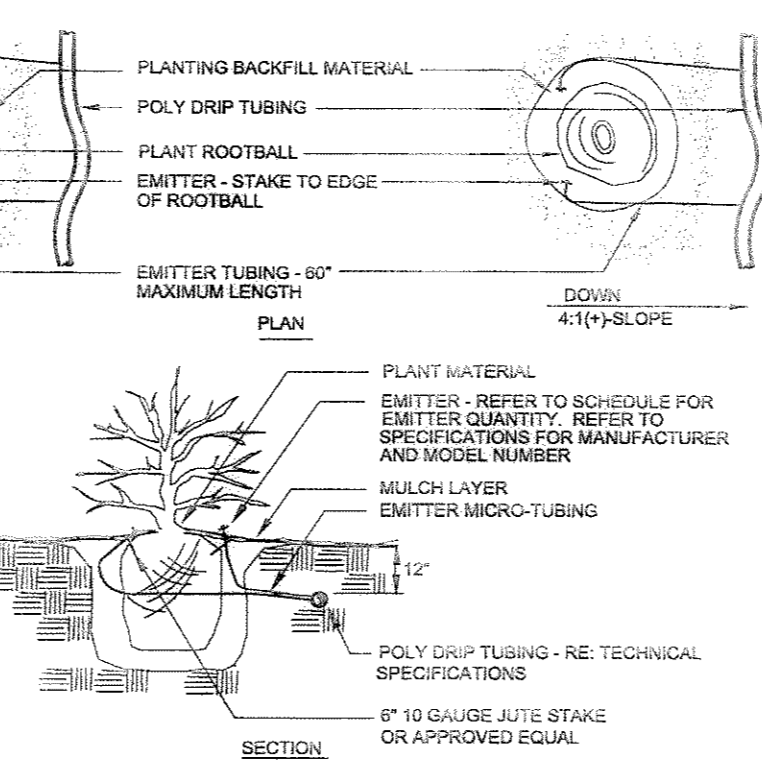
BACKFLOW PREVENTER w/ PRV

13



CONTROLLER

14

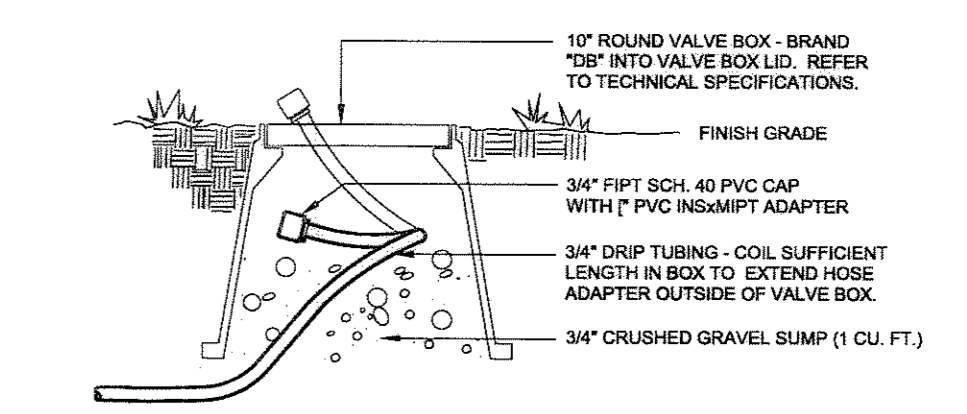


DRIP EMITTER - NATIVE SEED AREAS ONLY

11

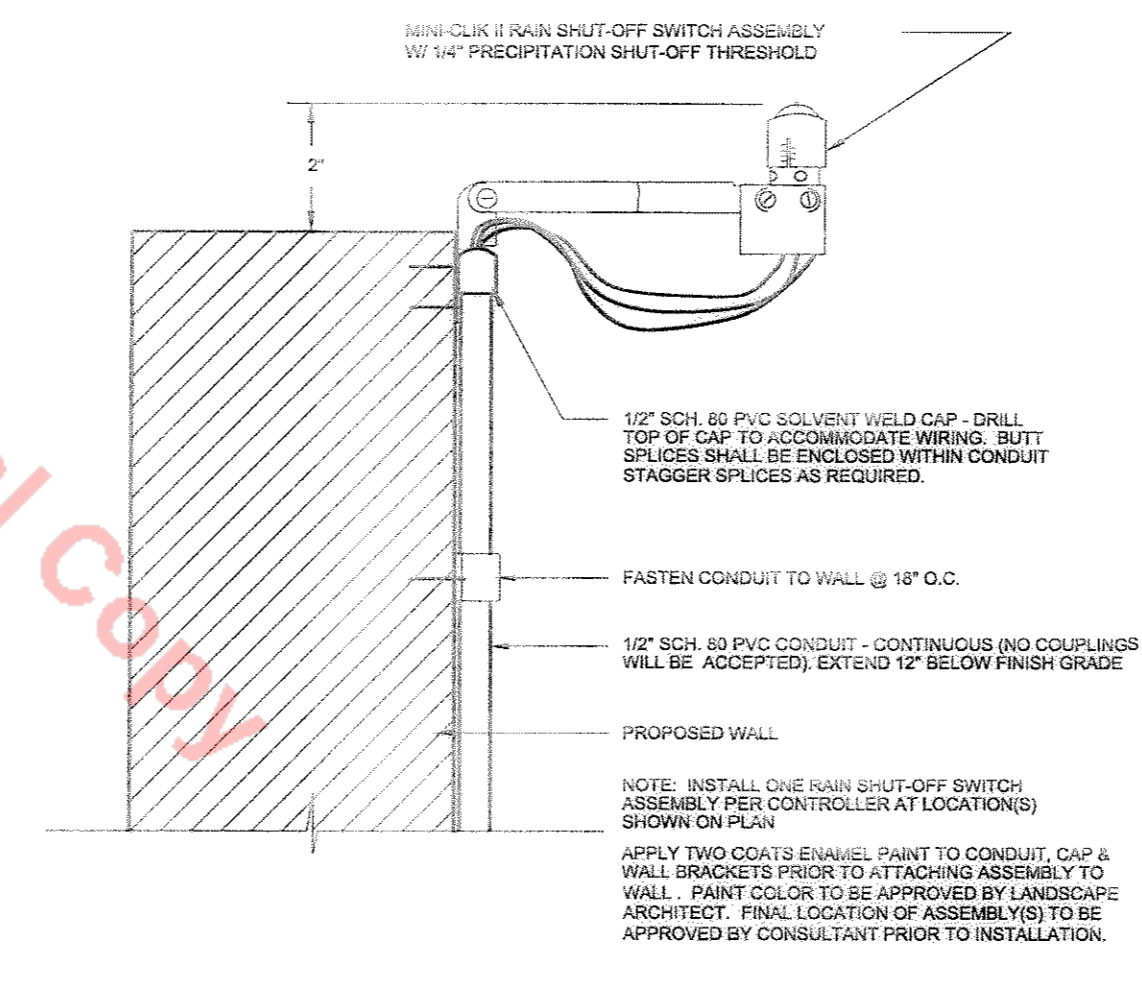
PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1 1/2" CALIPER TREE	1.0 GPH	THREE EACH	FOUR EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH	SIX EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH	EIGHT EACH
3" CALIPER TREE	1.0 GPH	EIGHT EACH	TEN EACH
3 1/2" CALIPER TREE	1.0 GPH	NINE EACH	ELEVEN EACH
4" CALIPER TREE	1.0 GPH	TEN EACH	TWELVE EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH	SIX EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH	NINE EACH
10 FT. CONIFEROUS TREE	1.0 GPH	EIGHT EACH	TWELVE EACH
12 FT. CONIFEROUS TREE	1.0 GPH	TEN EACH	FOURTEEN EACH

NOTES:
 INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.
 EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1" AND A MAXIMUM OF 2".
 FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.
 IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.
 EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED OTHERWISE WITHIN TECHNICAL SPECIFICATIONS.



DRIP LINE BLOW-OUT STUB

12

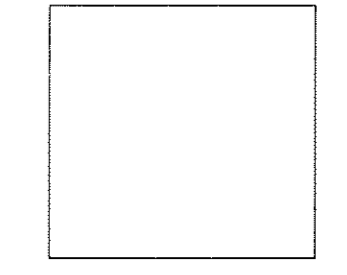


RAIN SENSOR

15

Avocet
 IRRIGATION DESIGN
 7114 W. JEFFERSON AVENUE, SUITE 201
 LAKEWOOD, COLORADO 80235
 VOICE: 303.986.2175
 FAX: 303.989.5814

LANDSCAPE ARCHITECT:



2038 GROVE ST.
 BOULDER, CO 80302
 PH: (303) 733-8333
 CASTLE ROCK REGISTRATION NUMBER : 326

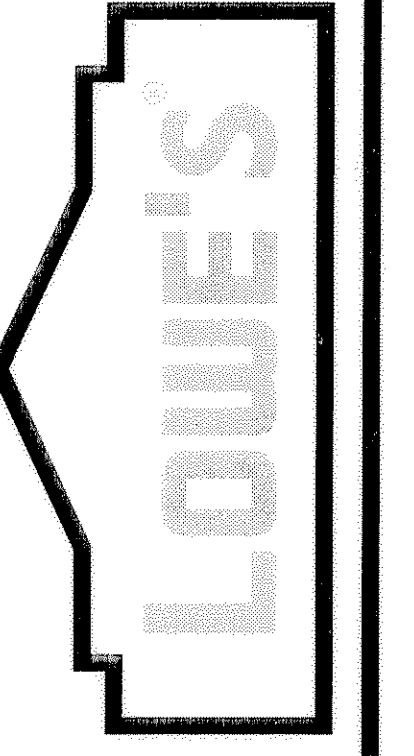
DATE	DESCRIPTION
1-20-06	2ND CITY SUBMITTAL
5-1-06	BID SET
5-10-06	3RD CITY SUBMITTAL
6-15-06	FINAL PD SUBMITTAL
7-21-06	PLAN CHANGES
8-10-06	MYLAR SET

Planning Civil Engineering Surveying
 1800 MAIN STREET, SUITE 800, IRVING, CA 92614
 TEL: (949) 485-0777 FAX: (949) 485-0779
 242 E. WASH SPRINGS ROAD, SUITE 100, LAS VEGAS, NV 89119
 TEL: (702) 866-6604 FAX: (702) 866-6605

TBD

EN
 ENGINEERING

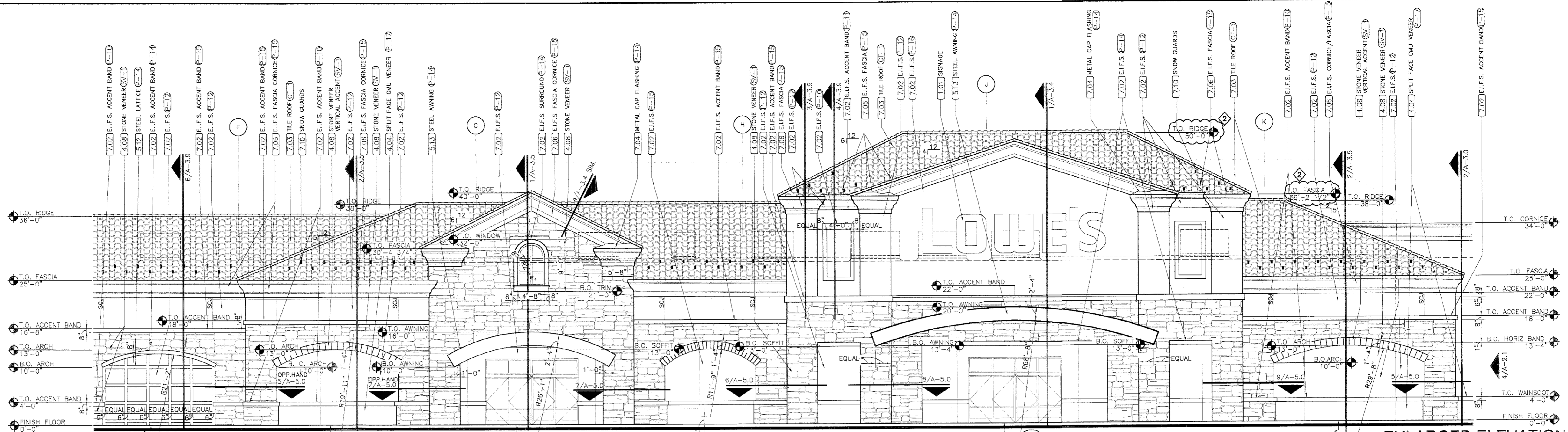
LOWE'S
 650 PARADISE AVE. SUITE 100
 CHULA VISTA, CA 92011
 (619) 591-1111



IRRIGATION NOTES & DETAILS
 LOT 1, CASTLE PINES
 COMMERCIAL FILING NO. 10A
 CASTLE ROCK, CO

ORIGINAL ISSUE DATE: 9-15-05
 PERMIT SET ISSUE DATE:
 CONSTRUCTION SET ISSUE DATE:
 DRAWING NUMBER:

14
 11 of 17



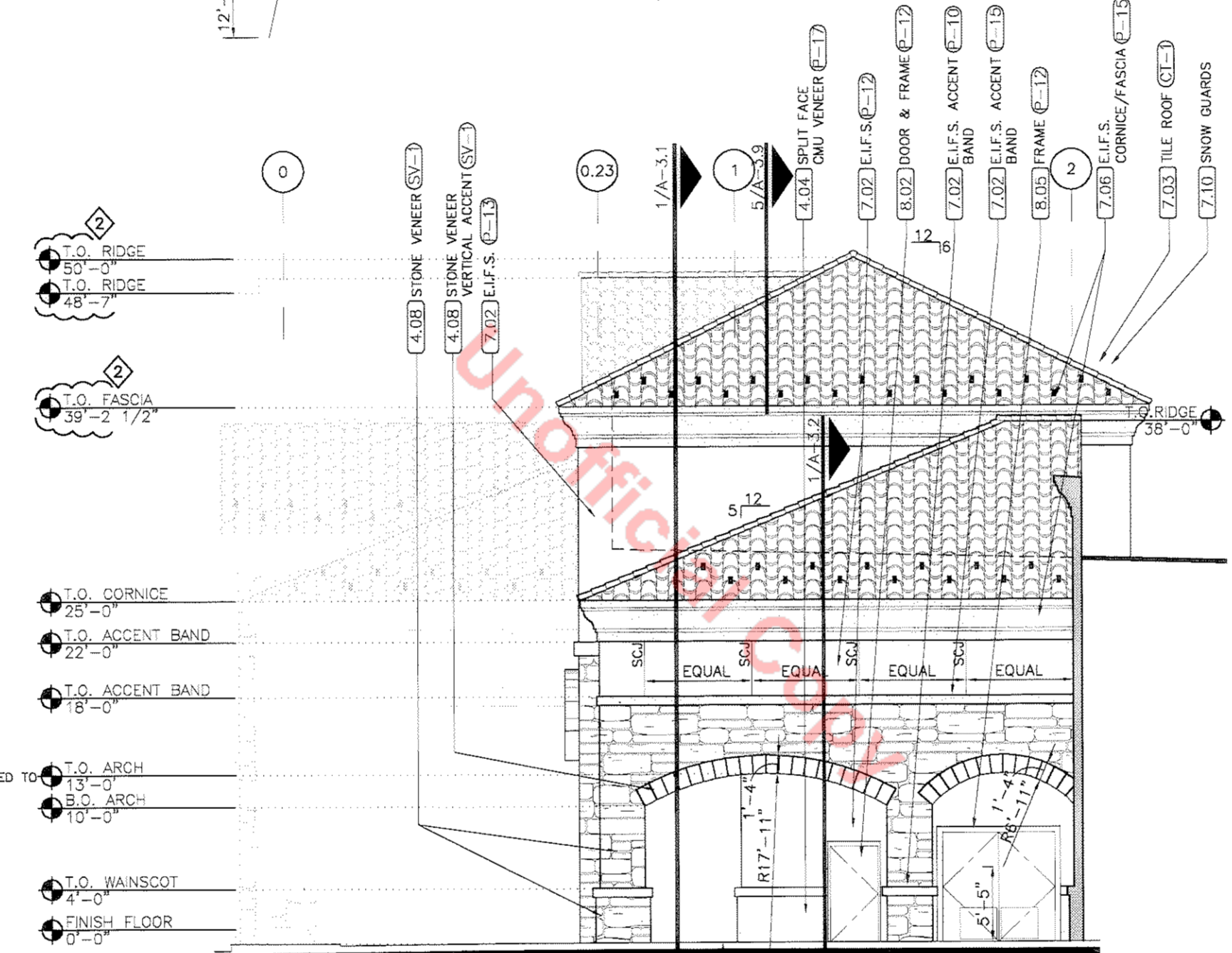
3 ENLARGED ELEVATION
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A-2.0

FINISHES

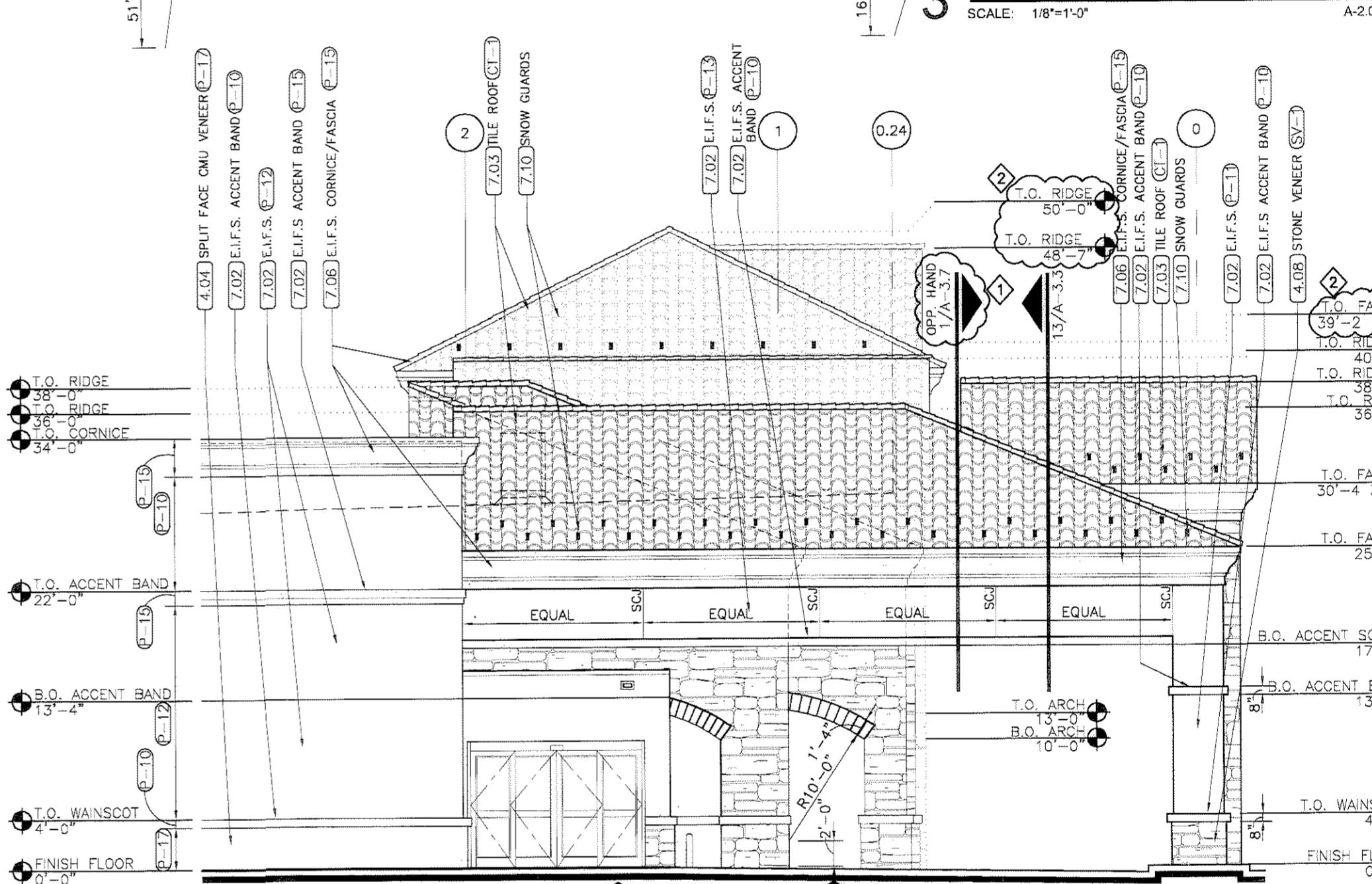
- F-1 FACTORY BLACK VINYL COATED FAB. (CHAN-LINK FABRIC)
- F-2 NOT USED
- P-1 LOWE'S LIGHT GRAY (PAINT)
- P-2 NOT USED
- P-3 NOT USED
- P-4 NOT USED
- P-5 OSHA YELLOW (PAINT)
- P-6 MANUFACTURER'S STANDARD BRIGHT WHITE (PAINT)
- P-7 INTERIOR LOWE'S LIGHT GRAY (SEE SHEET A-2.2)
- P-8 SEE SHEET A-2.2
- P-9 SEE SHEET A-2.2
- P-10 "TRAVERTINE" # SW-2200 - MANUF. SHERWIN WILLIAMS
- P-11 "AUGUST MOON" # SW-2199 - MANUF. SHERWIN WILLIAMS
- P-12 "BEDOUIN BOGE" # SW-2044 - MANUF. SHERWIN WILLIAMS
- P-13 "LANYARD" # SW-2190 - MANUF. SHERWIN WILLIAMS
- PF-1 SNOWDRIFT WHITE DR EQUAL (PRE-FINISHED)
- PF-2 NOT USED
- PF-3 MANUFACTURER'S STANDARD WHITE
- PF-4 NOT USED
- EF-1 NOT USED
- EF-2 NOT USED
- EF-3 NOT USED
- EF-4 NOT USED
- EF-5 NOT USED
- NA NATURAL ANODIZED (ALUM.)
- GT-1 "CLIFFSIDE" # SKU-18033940 - MANUF. MONIER LIFE TILE
- SV-1 MOUNTAIN LEDGE "BUCKSKIN" - MANUF. EL DORADO STONES.

KEYNOTES

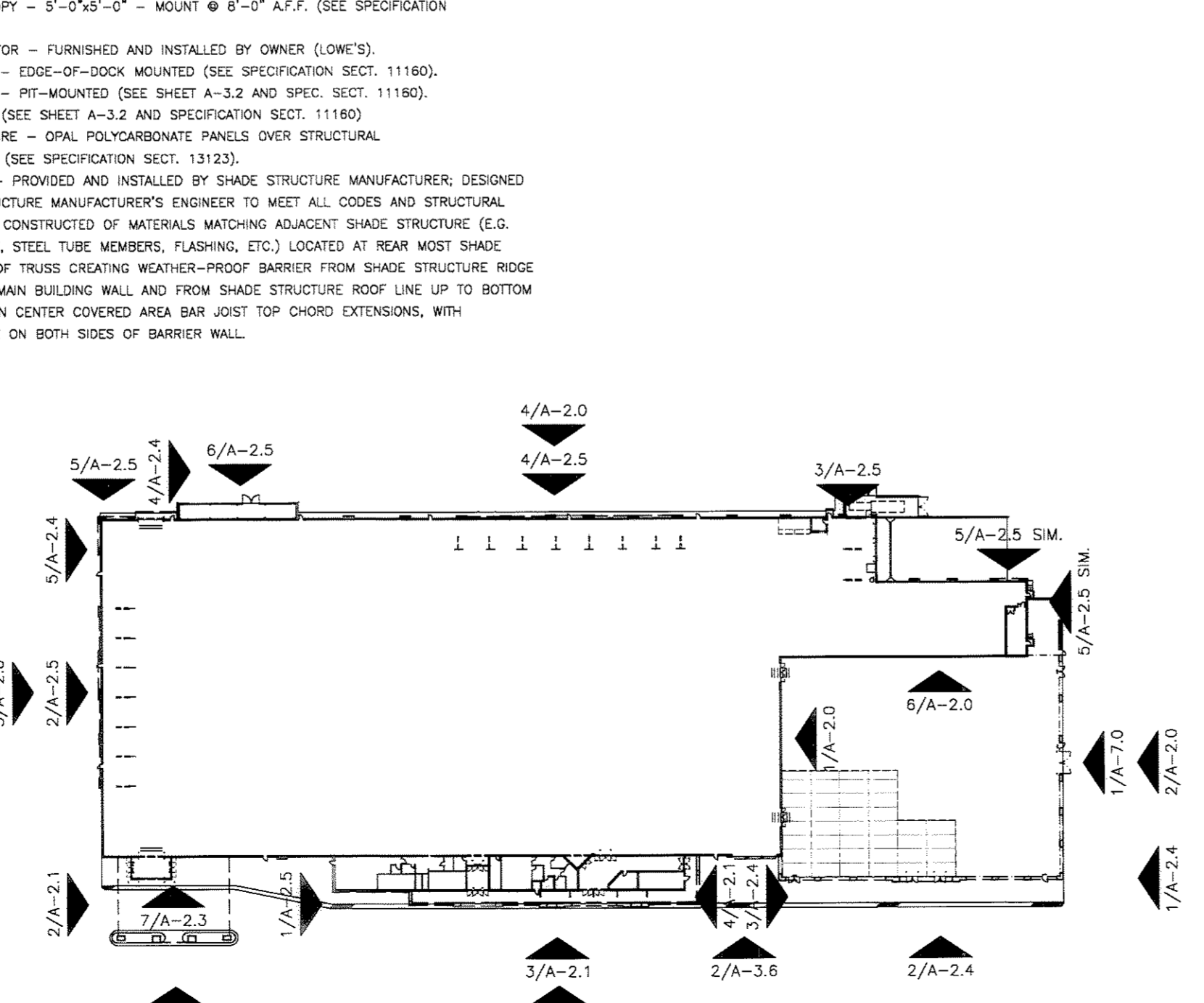
- 1.01 SIGNAGE - FURNISHED AND INSTALLED BY OWNER (LOWE'S). SEE SHTS. A-3.3.3.4 FOR BLOCKING LOCATIONS. HORZ. POSITION OF SIGNAGE TO BE CENTERED ON BACKGROUND ELEMENT.
- 2.01 CHAIN-LINK FENCE WITH BLACK VINYL COATED FABRIC (SEE SHEET A-7.0 AND SPECIFICATION SECT. 02822).
- 2.02 NOT USED
- 2.03 CHAIN-LINK GATE (SEE SHEET A-7.0, FOR SIZE AND TYPE, AND SPEC. SECT. 02822)
- 2.04 EXTERIOR TRENCH DRAIN (SEE DETAIL 11/S-3.0, SHEET P-1 AND P-3, AND SPEC. SECT. 15431).
- 2.05 48" HIGH x 20" LONG GUARDRAIL/FENCE (SEE DETAIL 9/S-3.0)
- 2.06 INTERIOR TRENCH DRAIN (SEE DETAIL 11/S-3.0 (SM), SHEET P-1 AND P-3, AND SPEC. SECT. 15431).
- 3.01 CONCRETE RETAINING WALL W/12" CMU SCREEN WALL 12'-0" A.F.F. (SEE SHEETS 5/1.0 AND 5/3.0)
- 3.02 CONCRETE SIDEWALK
- 3.03 TRUNCATED DOME BRICK PAVEMENT IN CONCRETE (SEE SHEET A-1.0)
- 3.04 CONCRETE FILLED ISLANDS (SEE STRUCTURAL & CIVIL DRAWINGS)
- 3.05 CONCRETE TRANSFORMER PAD, VERIFY SIZE & LOCATION PRIOR TO POURING (SEE SHEETS A-4.0 & 5-1.0)
- 3.06 CONCRETE GENERATOR PAD VERIFY SIZE & LOCATION PRIOR TO POURING (SEE SHEET A-4.0 & 5-1.0)
- 3.07 CONCRETE SLAB ON GRADE (SEE STRUCTURAL DRAWINGS)
- 3.08 JOINT SEALANT OVER 1/2" EXPANSION JOINT FILLER (SEE SPECIFICATION SECT. 07920)
- 3.09 CONCRETE CONTROL JOINT (SEE SHEET S-3.0)
- 3.10 CONCRETE STAIRS (SEE SHEETS A-5.0 & S-3.1)
- 3.11 12" CMU SCREEN WALL 12'-0" A.F.F. - 8" CMU AT SIM.
- 4.01 BUILDING EXPANSION JOINT
- 4.02 MASONRY CONTROL JOINT, TYPICAL (SEE SHEETS A-5.0 & S-3.0)
- 4.03 NOT USED
- 4.04 SPLIT FACE CMU (VENEER AT SIM.)
- 4.05 SMOOTH FACE CMU
- 4.06 NOT USED
- 4.07 NOT USED
- 4.08 SIMULATED STONE VENEER
- 4.09 CONCRETE TILT WALL PANEL
- 5.01 METAL DOWNSPOUTS, PAINTED
- 5.02 METAL GUTTER, PAINTED
- 5.03 STEEL TUBE, PAINTED
- 5.04 ROOF ACCESS HATCH WITH WALL MOUNTED LADDER BELOW, PAINTED (SEE SHEET A-7.0)
- 5.05 FORKLIFT DAMAGE PREVENTION BARS - 16'-0" L. W/ BOT. @ 9'-6" A.F.F. (SEE SHEET A-2.2)
- 5.06 FORKLIFT DAMAGE PREVENTION BARS - 7'-0" L. W/ BOTTOM @ 9'-4" A.F.F. (SEE SHEET A-2.2)
- 5.07 FORKLIFT DAMAGE PREVENTION BARS - 16'-0" L. W/ BOTTOM @ 13'-6" A.F.F. (SEE SHEET A-2.2)
- 5.08 PROVIDE 4" PIPE BOLLARDS (SEE DETAIL 3/S-3.1) - NUMBER AND LOCATIONS PER ARCHITECTURAL PLANS AND DOOR DETAILS
- 5.09 PROVIDE 6" PIPE BOLLARDS (SEE DETAIL 3/S-3.1) - NUMBER AND LOCATIONS PER ARCHITECTURAL PLANS AND DOOR DETAILS
- 5.10 PROVIDE 6" PIPE BOLLARDS (SEE DETAIL 3/S-3.1) AT GAS METER. NUMBER AND LOCATION PER PLUMBING PLANS.
- 5.11 STEEL DOWNSPOUT COVER, PAINTED (SEE DETAIL 7/A-3.2)
- 5.12 3" x 8" STEEL TUBE LATTICE
- 5.13 STEEL PLATE AWNING
- 6.01 CART GUARD - P.T. 2x10 STAINED LIGHT GRAY, MOUNTED 5" A.F.F. TO BOTTOM WITH 1/2"x4" EXP. BOLTS (COUNTERSINK) @ 36" O.C.
- 6.02 TELEPHONE BOARD - 4x8 SHEET PLYWOOD @ 4" A.F.F. WITH INTUMESCENT COATING ON ALL SIDES PRIOR TO INSTALLATION (SEE SPECIFICATION SECTION 07812)
- 7.01 ACRYLIC FINISH SYSTEM, BY E.L.F.S. MANUFACTURER, ON SMOOTH FACED CMU WITH FLUSH JOINTS.
- 7.02 EXTERIOR INSULATION AND FINISH SYSTEM (E.I.F.S.)
- 7.03 CONCRETE TILE ROOF
- 7.04 PRE-FINISHED METAL COPING ON TOPS OF PARAPETS & PILASTERS
- 7.05 MEDALLION - E.I.F.S. (SEE SHEETS A-2.1, A-3.3, A-3.4 AND A-3.5)



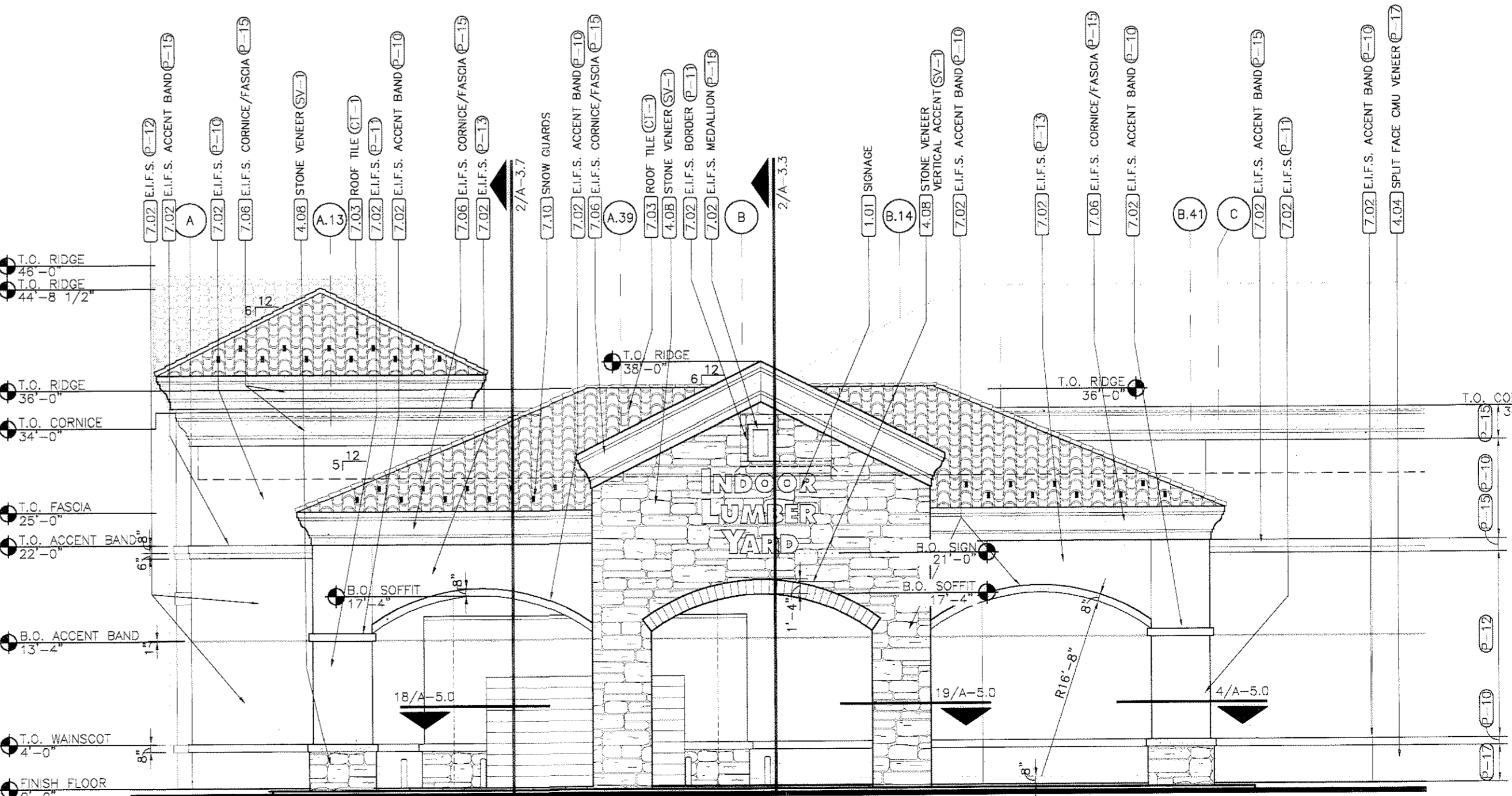
4 ENLARGED ELEVATION
SCALE: 1/8"=1'-0"
A-2.0



2 ENLARGED ELEVATION
SCALE: 1/8"=1'-0"
A-2.0



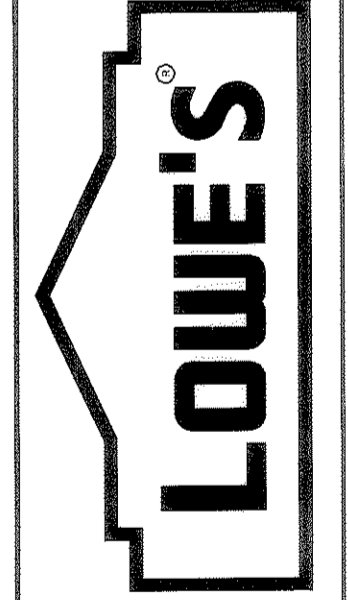
ELEVATION KEY PLAN



1 ENLARGED ELEVATION
SCALE: 1/8"=1'-0"
A-2.0

KORA
KURT D. REED ASSOCIATES, INC.
7400 EAST McDONALD DRIVE - SUITE 101 - SCOTTSDALE, AZ 85250
Phone: (480) 941-1440 Fax: (480) 948-1065 www.kdraco.com

LOWE'S HW, INC.
1530 FARADAY AVE. SUITE 140
CARLSBAD, CA 92008
760.804.5300 (V) 760.918.9112 (F)



ENLARGED EXTERIOR ELEVATIONS
LOWE'S OF CASTLE ROCK
CASTLE ROCK, CO
PROJECT NO. 025518
DRAWN BY: JMS | CHECKED BY: MM

CRITERIA
ISSUE DATE: 03.01.06
PERMIT SET
ISSUE DATE: 03.24.06
CONSTRUCTION SET
ISSUE DATE: 07.07.06
DRAWING NUMBER:
A-2.1
13 of 17

MON, 17 JUN 2006 10:34:24M, BROWN, P:\LOWE\025518-LOWE'S CASTLE ROCK\CAD\DWG\CONSTRUCTION_DRAWINGS\SHEETS\025518-A-2.1.DWG
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GENERAL NOTES

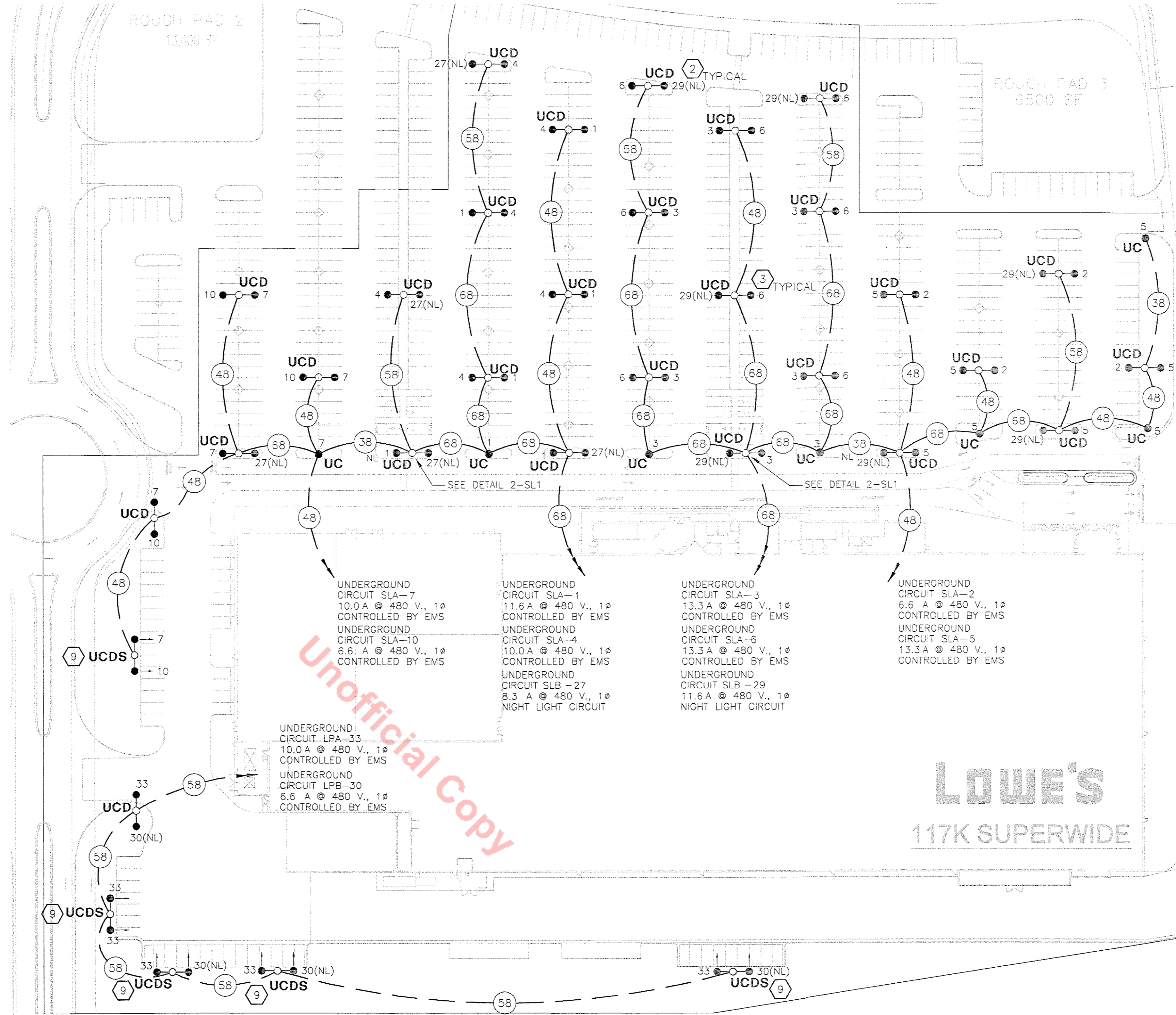
1. THE SITE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES, AND DRAINAGE SYSTEMS PRIOR TO COMMENCING ANY UNDERGROUND INSTALLATIONS.
2. THE INSTALLATION OF THE SITE LIGHTING SHALL COMPLY WITH THE APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL OTHER STATE AND LOCAL CODES. THE SITE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL INSPECTIONS, FEES, AND PERMITS REQUIRED TO COMPLETE THIS PROJECT.
3. ANY ITEMS INSTALLED THAT DO NOT MEET THE REQUIREMENTS OF THESE DRAWINGS SHALL BE REMEDIATED AT THE EXPENSE OF THE SITE ELECTRICAL SUBCONTRACTOR. ALL ELECTRICAL WORK ON THIS DRAWING SHALL BE INSTALLED BY THE SITE ELECTRICAL SUBCONTRACTOR.
4. THE SITE ELECTRICAL SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF CONDUITS AND WIRE WITH THE BUILDING ELECTRICAL SUBCONTRACTOR. LOWE'S DESIRES THAT THE CONDUIT AND WIRE FROM THE BUILDING ELECTRICAL PANELS TO THE FIRST POLE(S) OR SIGN(S) TO BE INSTALLED AS A SINGLE PULL WITHOUT JUNCTION BOXES OR SPICES.
5. NO WIRE SHALL BE INSTALLED PAR-WAY AND LEFT COILED ON THE GROUND SUCH THAT OTHERS ARE TO COMPLETE THE INSTALLATION. IF COORDINATION IS NOT POSSIBLE SUCH THAT A HOMERUN CONDUIT & WIRE CAN BE INSTALLED ALL THE WAY TO A PANEL THEN AN UNDERGROUND ELECTRICAL PULL BOX SHALL BE COORDINATED, FURNISHED AND INSTALLED AT NO ADDITIONAL EXPENSE TO LOWE'S. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AN ADDITIONAL 40 FEET (MINIMUM) OF CONDUCTORS WITHIN THE EXTERIOR JUNCTION BOX, AT THE BUILDING FOUNDATION PENETRATION, IN A PITGAIL WITH EACH PHASE AND NEUTRAL CONDUCTOR PERMANENTLY LABELED BY ITS CORRESPONDING CIRCUIT NUMBER. THE SITE ELECTRICAL CONTRACTOR SHALL VERIFY THAT 40 FEET OF ADDITIONAL CONDUCTOR WILL BE ADEQUATE TO EXTEND FROM THE EXTERIOR JUNCTION BOX TO ELECTRICAL PANELS WITH 8' EXTRA CONDUCTOR TO EXTEND INTO EACH PANEL WITHOUT SPICES. CONDUCTOR PITGAIL LENGTH MAY NEED TO BE LONGER, WITHOUT SPICES, DEPENDING ON FINAL PLACEMENT OF THE EXTERIOR JUNCTION BOXES IN RELATION TO THE PANEL LOCATIONS. THE BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL THE REQUIRED SIZE AND QUANTITY OF CONDUITS AS DESIGNATED ON SHEET E4 TO THESE JUNCTION BOXES. THE SITE ELECTRICAL CONTRACTOR SHALL ROUTE SITE LIGHTING CONDUCTOR PITGAILS FROM EXTERIOR JUNCTION BOXES INTO BUILDING ELECTRICAL PANELS WITHOUT SPICES.
6. THE SITE LIGHTING SUB-CONTRACTOR SHALL INSTALL THE CONDUITS, PULL BOXES (IF REQUIRED) AND WIRE FOR THE SITE LIGHTING SYSTEM TO THE BUILDING LIMITS LINE (AS DEFINED BY LOWE'S) AND ALIGN THE CONDUITS AND/OR JUNCTION BOXES WITH THE ELECTRICAL ROOMS FROM WHICH THEY WILL TIE INTO. COORDINATE THE REQUIRED LOCATION AND CIRCUITING OF SITE CONDUITS AND CIRCUITS WITH THE BUILDING ELECTRICAL SUB-CONTRACTOR.
7. THE PANEL AND CIRCUIT NUMBER FOR EVERY PHASE CONDUCTOR SHALL BE LABELED AT EVERY JUNCTION (i.e. "SLA-6,8" WOULD BE REQUIRED ON THE END OF EVERY CONDUCTOR AT EVERY JUNCTION BOX FOR THE PHASE WIRE COMING FROM PANEL "SLA" CIRCUIT NUMBERS "6,8").
8. SYMBOLS ON THIS DRAWING HAVE BEEN ENLARGED FOR LEGIBILITY THESE SYMBOLS ARE NOT TO SCALE.

KEY NOTES

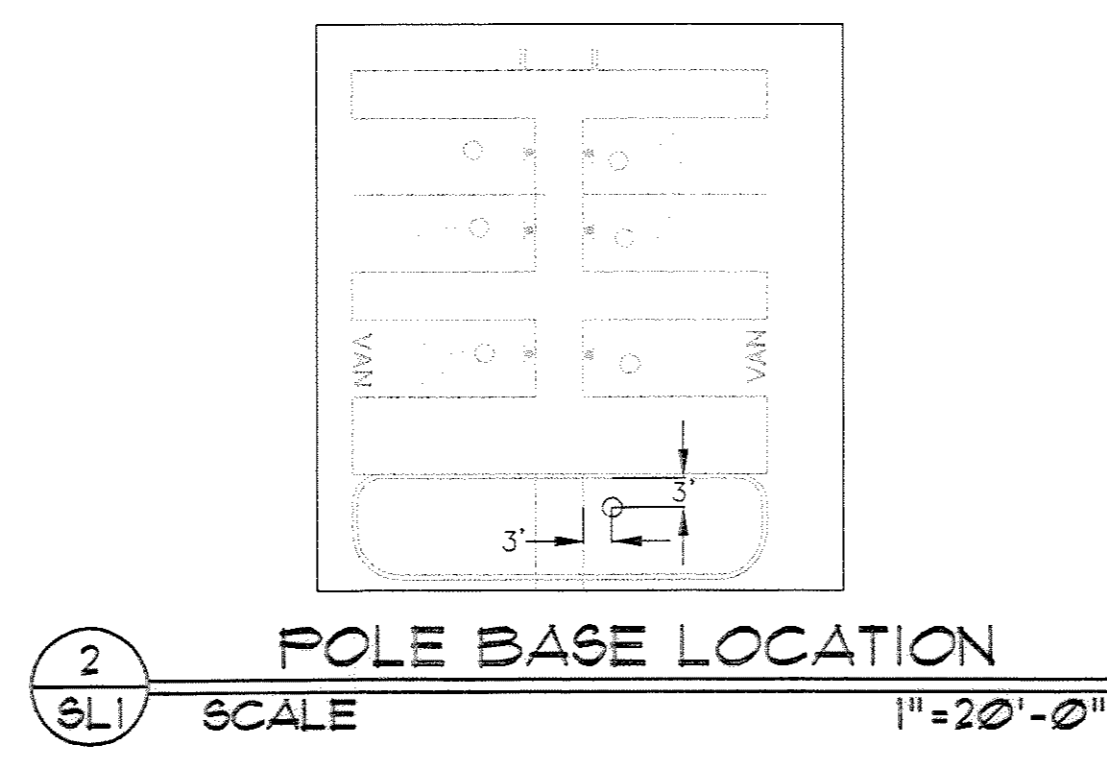
1. SITE ELECTRICAL CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES & DRAINAGE BEFORE DRILLING POLE BASES. (TYPICAL)
2. "NL" INDICATES THIS FIXTURE SHALL BE ON A NIGHT LIGHT (STAGE 1) CIRCUIT (TYPICAL). "NL" FIXTURES SHALL BE CIRCUITED TO A GEN-SET FED PANEL SUCH AS LPB OR SLB.
3. "X,X" DESIGNATIONS, BY FIXTURES IN PLAN VIEW, INDICATE THE CIRCUITS FIXTURES ARE TO BE CONNECTED TO. (TYPICAL)
4. "FL" INDICATES THIS LUMINAIRE SHALL BE A FLOOD LIGHT FIXTURE. MOUNTING BRACKET FOR THIS FL FIXTURE SHALL BE MOUNTED AT HEIGHT DESIGNATED IN SITE LIGHTING FIXTURE SCHEDULE ABOVE BOTTOM OF POLE BASE. TYPICAL FOR ALL LIGHT POLES ALONG STOREFRONT. (IF APPLICABLE)
5. EXTEND A 480/277V, 3Ø CIRCUIT TO LOWE'S ROAD, MONUMENT OR PYLON SIGN. INSTALL A 30A, 3Ø, NEMA 3R FUSIBLE DISC. SWITCH (EACH PHASE FUSED @ 20A). SIGN REQUIRES (3) 20A, 277V, 1Ø CIRCUITS. SITE SIGNS SHALL BE CIRCUITED TO A GEN-SET FED PANEL SUCH AS LPB OR SLB. (IF APPLICABLE). SEE GENERAL NOTE 4.
6. PROVIDE PROTECTIVE GUARD POST AT DESIGNATED POLE BASES AS DENOTED ON PLAN. LOCATE AND CONSTRUCT GUARD POST AS SHOWN ON DETAIL ON THIS SHEET. (IF APPLICABLE).
7. SITE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LIGHTING VENDOR TO ENSURE SINGLE FLOOD MOUNTING BRACKET IS SPECIFIED FOR RIGHT OR LEFT ORIENTATION ON POLE, BASED ON PLAN VIEW, PRIOR TO ORDERING. (IF APPLICABLE)
8. SITE LIGHTING EXTERIOR JUNCTION BOXES, IF REQUIRED, SHALL BE "H-20" LOAD RATED. PROVIDE 13"x24"x12" DEEP "QUAZITE" PG1338BA12 BOX (QUANTITY (2) STACKED) WITH PG1324HA0029 LID, OR APPROVED EQUAL. DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM 8" OF GRAVEL COMPACTED PER THE LOWE'S SITE WORK SPECIFICATIONS. SEE GENERAL NOTE 5 AND 6 FOR CONDUCTOR ROUTING REQUIREMENTS.
9. FIXTURES WITH ARROWS ARE DIRECTIONAL AND SHALL HAVE THE REFLECTORS FIELD ROTATED BY THE SITE ELECTRICAL SUBCONTRACTOR. ALIGN THE ARROWS ON THE REFLECTOR WITH THE DIRECTIONAL AIMING ARROWS INDICATED ON THESE DRAWINGS. REFER TO MANUFACTURER'S INSTRUCTIONS. THIS NOTE APPLIES TO ALL APPLICABLE FIXTURES THAT INCLUDE DIRECTIONAL AIMING ARROWS.

- NOTE:**
SITE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO SUBMIT THIS SHEET AND PHOTOMIC PLAN TO MANUFACTURER'S REPRESENTATIVE FOR VERIFICATION OF LABEL, FIXTURE MODEL NUMBER, AND POLE MODEL NUMBER.
- NOTE:**
EACH STAGE SHALL BE A PROGRAMMABLE OUTPUT OF THE NVAAR EMS. EACH 2-POLE CIRCUIT SHALL HAVE A CONTACTOR OR SQUARE D POWER BREAKER THAT IS CONTROLLED BY THE OUTPUT OF A STAGE AS INDICATED IN THIS SCHEDULE.
- NOTE:**
ONLY HUBBELL FIXTURES SHALL BE APPROVED FOR THIS SITE. (NO SUBSTITUTES ALLOWED)
- NOTE:**
THE LIGHTING CONTROL SCHEDULE SHALL BE COORDINATED WITH SQUARE D TO ENSURE THAT LOWE'S IS ABLE TO STAGE THE QUANTITY AND LOCATION OF LIGHTS AS IS INDICATED IN THIS SCHEDULE.
- NOTE:**
ALL FIXTURES ARE FULL-CUTOFF FLAT GLASS FIXTURES AS CLASSIFIED BY IESNA.

SITE LIGHT CONTROL SCHEDULE	
1st STAGE (NL)	7.3 KW
LPB-30	1.8 KW
SLB-27	2.3 KW
SLB-29	3.2 KW
2nd STAGE	10.1 KW
SLA-2	1.8 KW
SLA-4	2.8 KW
SLA-6	3.7 KW
SLA-10	1.8 KW
3rd STAGE	16.2 KW
LPA-35	2.8 KW
SLA-1	3.2 KW
SLA-3	3.7 KW
SLA-5	3.7 KW
SLA-7	2.8 KW
TOTAL SITE LIGHT	33.6 KW



1
SCALE SITE LIGHTING PLAN 1"=50'-0"



2
SCALE POLE BASE LOCATION 1"=20'-0"

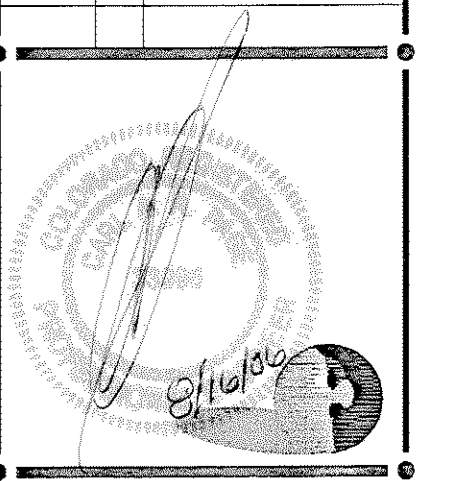
NOTE:
SITE UTILITY PLANS AND ROAD SIGN LOCATIONS NOT FINALIZED AT THE TIME THE LIGHTING PLAN WAS CREATED. 03.28.06

1
SITE LIGHTING PLANS REVISED PER CITY COMMENTS

2
SITE LIGHTING PLANS REVISED TO MEET DEVELOPMENT CRITERIA

REVISIONS

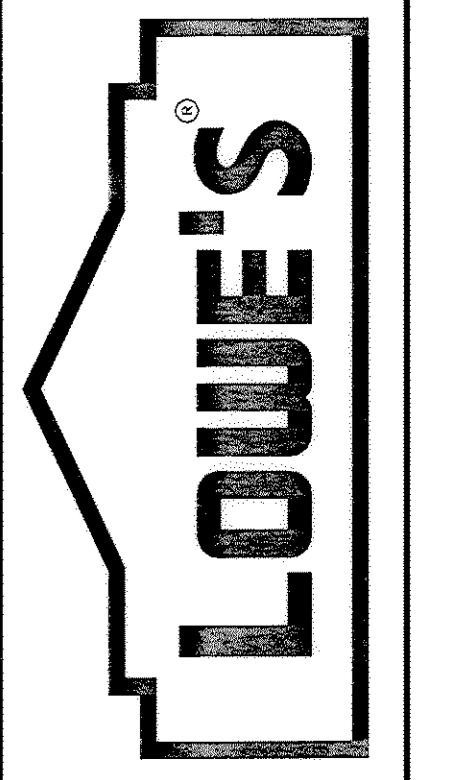
DATE	DESCRIPTION
05.10.2006	CITY COMMENTS
08.08.2006	CITY COMMENTS



PAGE
INTERWORKS, P.A.
ENGINEERS & CONSULTANTS
923 MAIN STREET, N. WILKESBORO, NC 28659
PHONE: 336-667-4225 FAX: 336-667-4332

LOWE'S HOME CENTERS, INC.
1605 CURTIS BRIDGE ROAD
REC'D DOCK
WILKESBORO, NC 28697
336.658.4000 (V) 336.658.3257 (F)

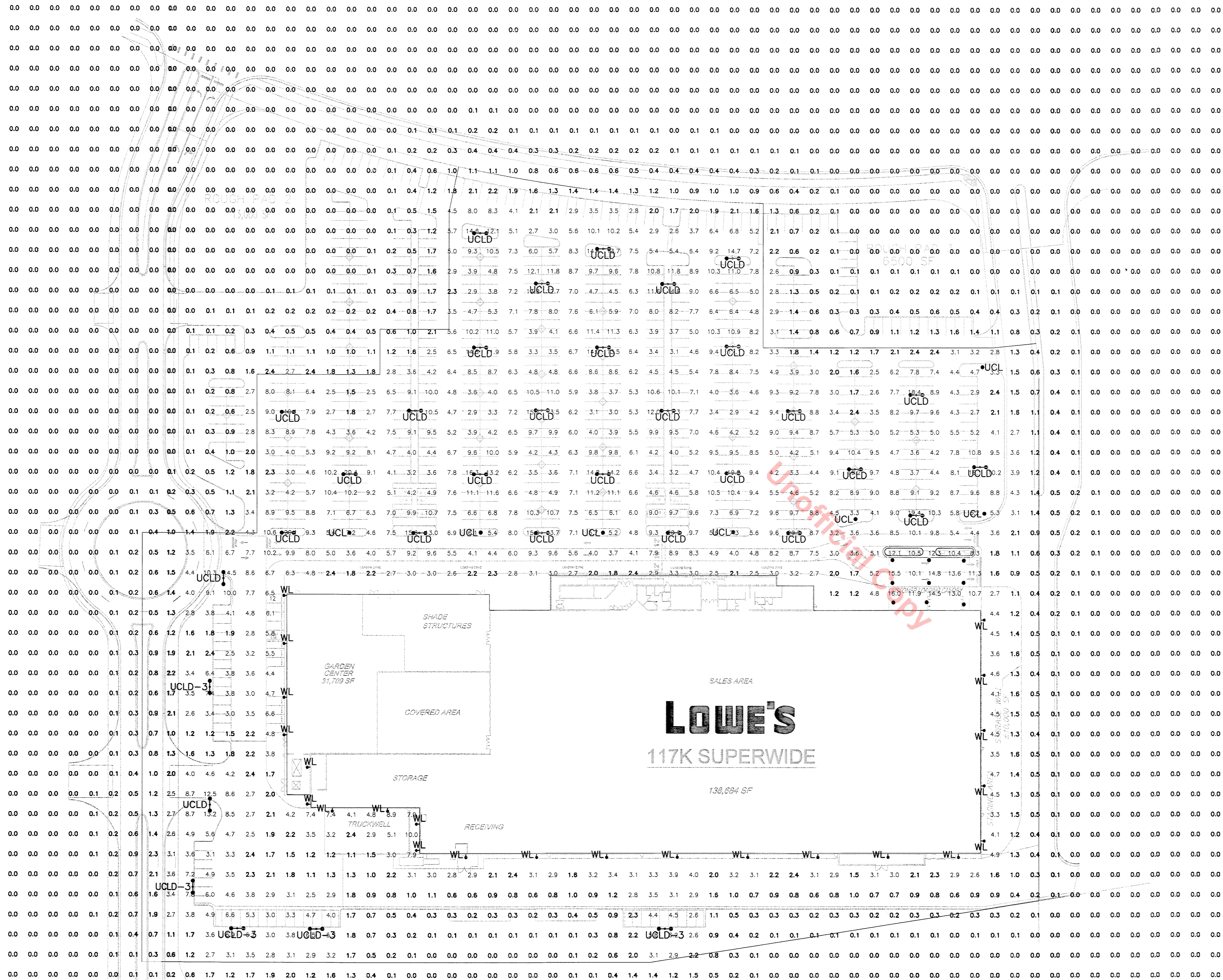
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SITE LIGHTING PLAN, NOTES, SCHEDULES AND DETAILS
LOWE'S OF
CASTLE ROCK
CASTLE ROCK, CO
PROJECT No. 05375 DRAWN BY:DHK CHECKED BY:CARP

ORIGINAL ISSUE DATE:
PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE:
DRAWING NUMBER:

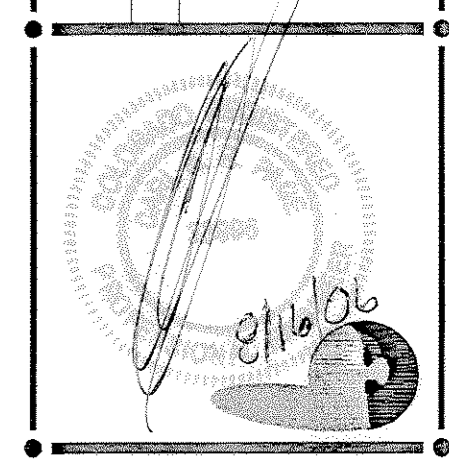
SL-1
CIRC0804 14/17 05.08.06



SITE LIGHTING PLANS
REVISED TO MEET
DEVELOPMENT CRITERIA.

SITE LIGHTING PLANS
REVISED PER CITY
COMMENTS

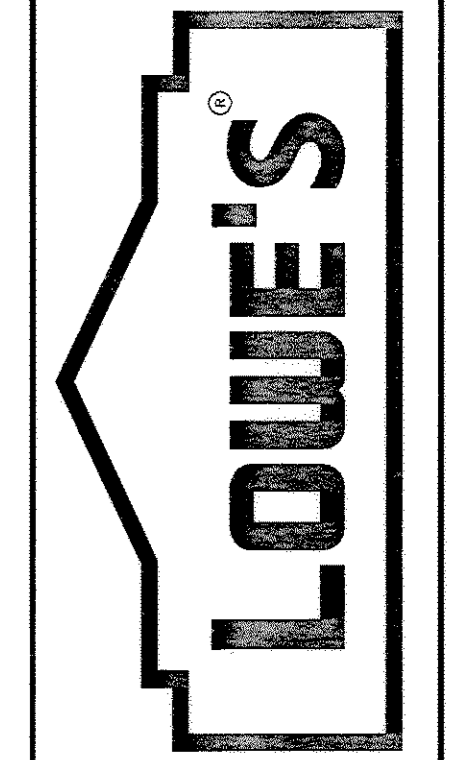
DATE	DESCRIPTION
05.10.2006	CITY COMMENTS
08.08.2006	CITY COMMENTS



PAGE
INTERWORKS, P.A.
ENGINEERS & CONSULTANTS
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1605 CURTIS BRIDGE ROAD
REEC DOCK
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- AAL: Universal Contracting
candela file 'Ucl-h5.ies'
1 lamp(s) per luminaire, 20500 initial lumens per lamp
Light Loss Factor = 1.000, watts per luminaire = 295
Outreach (from mounting axis to photometric center) = 18 in
number locations = 23, number luminaires = 23
kw all locations = 6.8
Occurrences: 23 at mounting height 20 ft
- Hubbell Lighting No. BL150H-WA22-ENC
candela file 'HP08211.IES'
1 lamp(s) per luminaire, 13000 initial lumens per lamp
Light Loss Factor = 1.000, watts per luminaire = 181
number locations = 9, number luminaires = 9
kw all locations = 1.6
Occurrences: 9 at mounting height 23 ft
- AAL: Universal Contracting
candela file 'Ucl-h5.ies'
1 lamp(s) per luminaire, 20500 initial lumens per lamp
Light Loss Factor = 1.000, watts per luminaire = 295
number locations = 7, number luminaires = 7
kw all locations = 1.8
- Universal Contracting : UCL-FL-400H
2 luminaires per location, candela file 'Ucl-h5.ies'
1 lamp(s) per luminaire, 36000 initial lumens per lamp
Light Loss Factor = 1.000, watts per luminaire = 460
Outreach (from mounting axis to photometric center) = 36 in
mounting height = 25 ft
number locations = 28, number luminaires = 56
kw all locations = 25.8
- AAL: Universal Contracting
candela file 'Ucl-h5.ies'
2 luminaires per location, candela file 'Ucl-h5.ies'
1 lamp(s) per luminaire, 20500 initial lumens per lamp
Light Loss Factor = 1.000, watts per luminaire = 295
Outreach (from mounting axis to photometric center) = 36 in
mounting height = 25 ft
number locations = 5, number luminaires = 10
kw all locations = 3.0

Target Point Set
2724 points at 2=0, sp 20ft by 20ft
HORIZONTAL FOOTCANDLES
Average 1.8
Maximum 19.8
Minimum 0.0
Avg:Min N/A
Max:Min N/A
Coef Var 1.80
UnitGrad N/A

1 SITE PHOTOMETRIC PLAN (INITIAL)
SCALE 1"=50'-0"

SITE PHOTOMETRIC PLAN
INITIAL LIGHT LEVELS (1.0 LLF)
LOWE'S OF
CASTLE ROCK
CASTLE ROCK, CO
PROJECT No. 05375
DRAWN BY: DDK
CHECKED BY: CARP

ORIGINAL
ISSUE DATE:
PERMIT SET
ISSUE DATE:
CONSTRUCTION SET
ISSUE DATE:
DRAWING NUMBER:
SL-3
CRCCL04 16117 05.06.06

UNIVERSE COLLECTION™ UCL BEL (H) DATE TYPE

UCL BEL FIXTURE OPTICS 1 BALLAST 2 COLOR 3 HOOD 4

ARM 6 SEE POLE SECTION 7

PAGE 1 OF 2

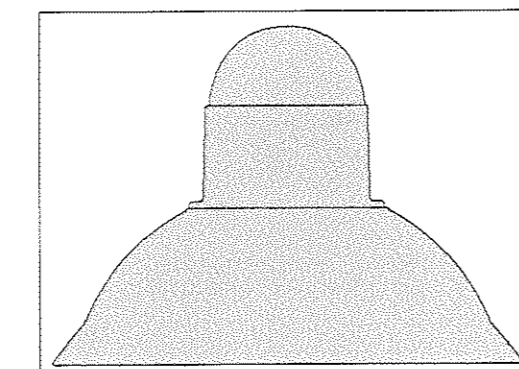
OPTIONS 5

- 1 OPTICS**
- H2 Type 2 horizontal reflector, flat glass lens
 - H3 Type 3 horizontal reflector, flat glass lens
 - H4 Type 4 horizontal reflector, flat glass lens
 - H5 Type 5 horizontal reflector, flat glass lens
- 2 BALLASTS**
- 175 MH metal halide 120/208/240/277 volt
 - 250 MH metal halide 120/208/240/277 volt
 - 400 MH metal halide 120/208/240/277 volt
- Use clear, ED-28 lamps, mogul base lamps. Use ED-28 pin oriented lamps only for the reflector models. Lamps are not included.
- All ballasts are factory wired for 277 volts.
- 150 HPS high pressure sodium 120/208/240/277
 - 250 HPS high pressure sodium 120/208/240/277
 - 400 HPS high pressure sodium 120/208/240/277
- Use clear, E-18 lamps, mogul base lamps. Lamps are not included.
- All ballasts are factory wired for 277 volts.
- 3 COLOR**
- WHT white powder coat finish
 - BLK black powder coat finish
 - DGN dark green powder coat finish
 - DBZ dark bronze powder coat finish
 - GALV galvanized powder coat finish
 - VGR verde green powder coat finish
 - CRT corten powder coat finish
 - MAL matte aluminum powder coat finish
 - LGY light grey powder coat finish
 - ATG antique green powder coat finish
 - RAL # _____
 - CUSTOM: _____
- 4 HOOD FINISH - OPTIONAL**
- COP copper shade
 - STS stainless steel shade
- The natural copper and stainless steel hoods are unfinished to develop a patina over time. All hoods for the OAL and GR3/GR6 have the underside of the hood finished in high reflectance white.
- 5 OPTIONS**
- FLD LCL - lightly diffused finish on flat glass lens for reflector models
 - HSS House side shield for reflector models
 - QRS Quartz retrace controller and socket for a T-4 mini-cand halogen lamp, maximum 150 watt, reflector models only
 - QL Socket for a T-4 mini-cand halogen lamp. Must be field wired to a separate 120 volt circuit. Max. 150 watt, reflector models only
 - PSB Pulse start ballast for 175MH, 250MH and 400MH (120/208/240/277 volt) metal halide lamps. 175MH lamp is not available for horizontal reflector units.
 - 347 120/240/347 volt ballast for HID lamps.
 - PMS Pendant mount with 48" / 1220mm stem and canopy with swivel. The stem and canopy are painted same as fixture.
- Reset Print

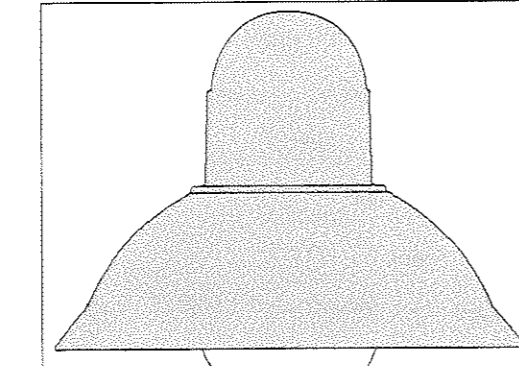
JOB NAME: _____

SOLD TO _____ PO# _____ Approvals _____

ARCHITECTURAL AREA LIGHTING
14249 Artesia Blvd / La Mirada, CA 90638
714 994.2700 / fax 714 994.0522 / www.aal.net
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HORIZONTAL REFLECTOR MODELS
DIMENSIONS: 22" / 560MM X 30" / 760MM DIA.
IP=65 EPA=3.0 WEIGHT=38LBS.



OAL MODELS
DIMENSIONS: 25" / 635MM X 30" / 760MM DIA.
IP=65 EPA=3.0 WEIGHT=38LBS.

HOUSING
The fixture ballast housing shall be one piece cast aluminum. The hoods shall be heavy gage spun aluminum with hemmed edges for added rigidity.
All internal and external hardware shall be stainless steel.
Reflector models shall consist of a die cast aluminum door frame and ring assembly. The hood ring assembly shall be fully sealed with a molded silicone gasket. The door frame shall be hinged to the ring and opened with three captive fasteners for relamping. The tempered flat glass lens is held in the door frame with a molded silicone gasket.
Opal acrylic lens - OAL - shall consist of a molded opal acrylic lens and an aluminum frame. Three captive fasteners shall be loosened to turn and remove the lens for relamping.

OPTICAL ASSEMBLY
The reflector module shall be composed of faceted, semi specular anodized aluminum panels rigidly attached in an aluminum tray. The reflector shall be easily removed by loosening four screws and lifting it out the tray. The reflector tray shall be rotatable on 90° centers for orienting the light distribution. The reflectors shall meet ANSI-IES standards for full cutoff reflector systems.

ELECTRICAL
The ballast shall be mounted on a prewired tray with a quick disconnect plug and removed by loosening two captive screws. HID ballasts are high power factor, rated for -30°F starting. Sockets are mogul base, pulse rated porcelain. Ballasts are multi-tap, wired at the factory for 277 volts.

INSTALLATION & MOUNTING
The fixture shall be attached to the arm assembly with three stainless steel bolts. The connection shall be sealed with a silicone compression gasket.
The post top - PM - version shall slip over a 4"/100mm pole or tenon, and be secured with six stainless steel set screws.

FINISH
Fixture finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION
The fixture shall be listed with ETL and U.L. for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 no.250. IP=65

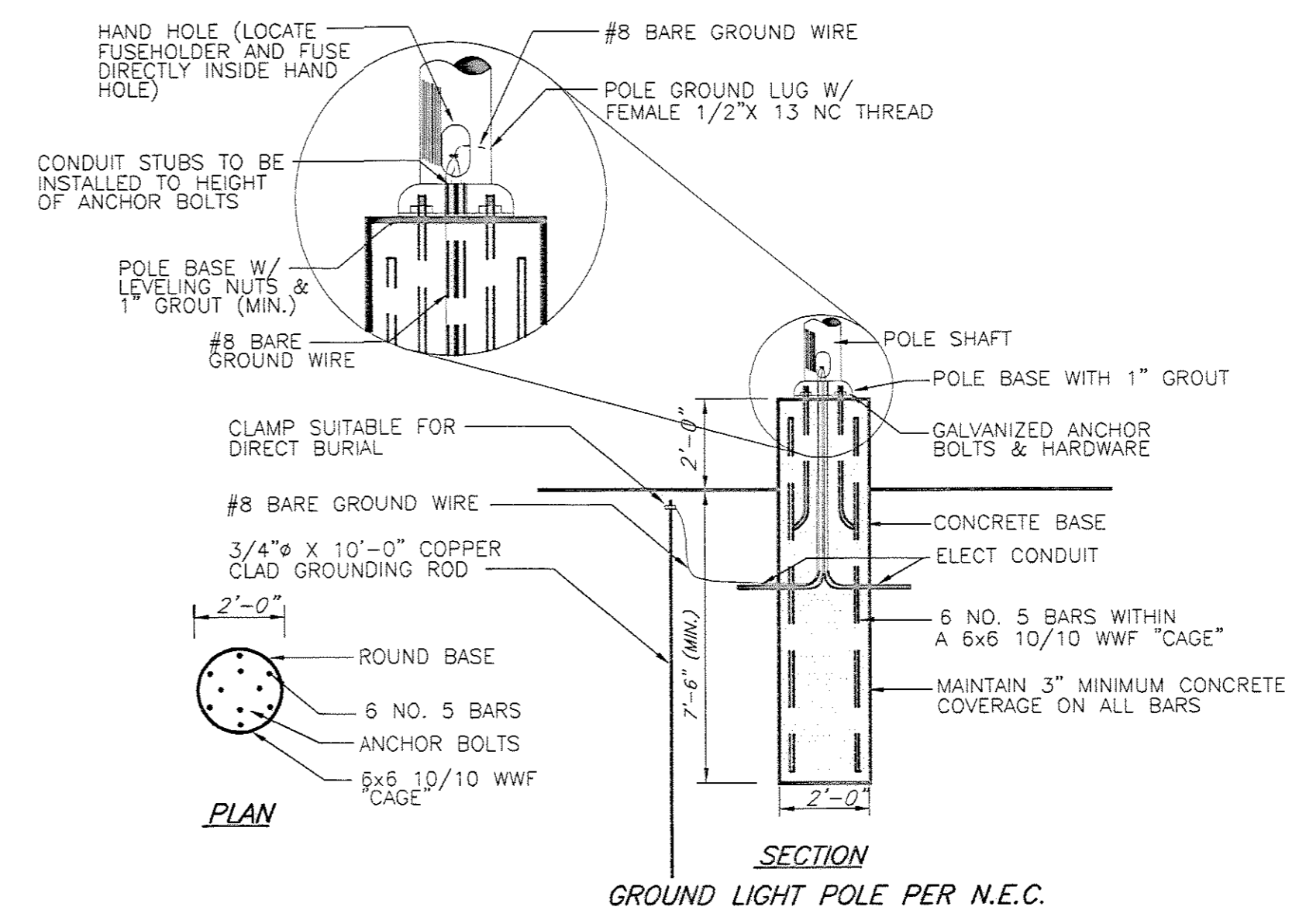
WARRANTY
Fixture shall be warranted for three years. Ballast components carry the ballast manufacturer's limited warranty.

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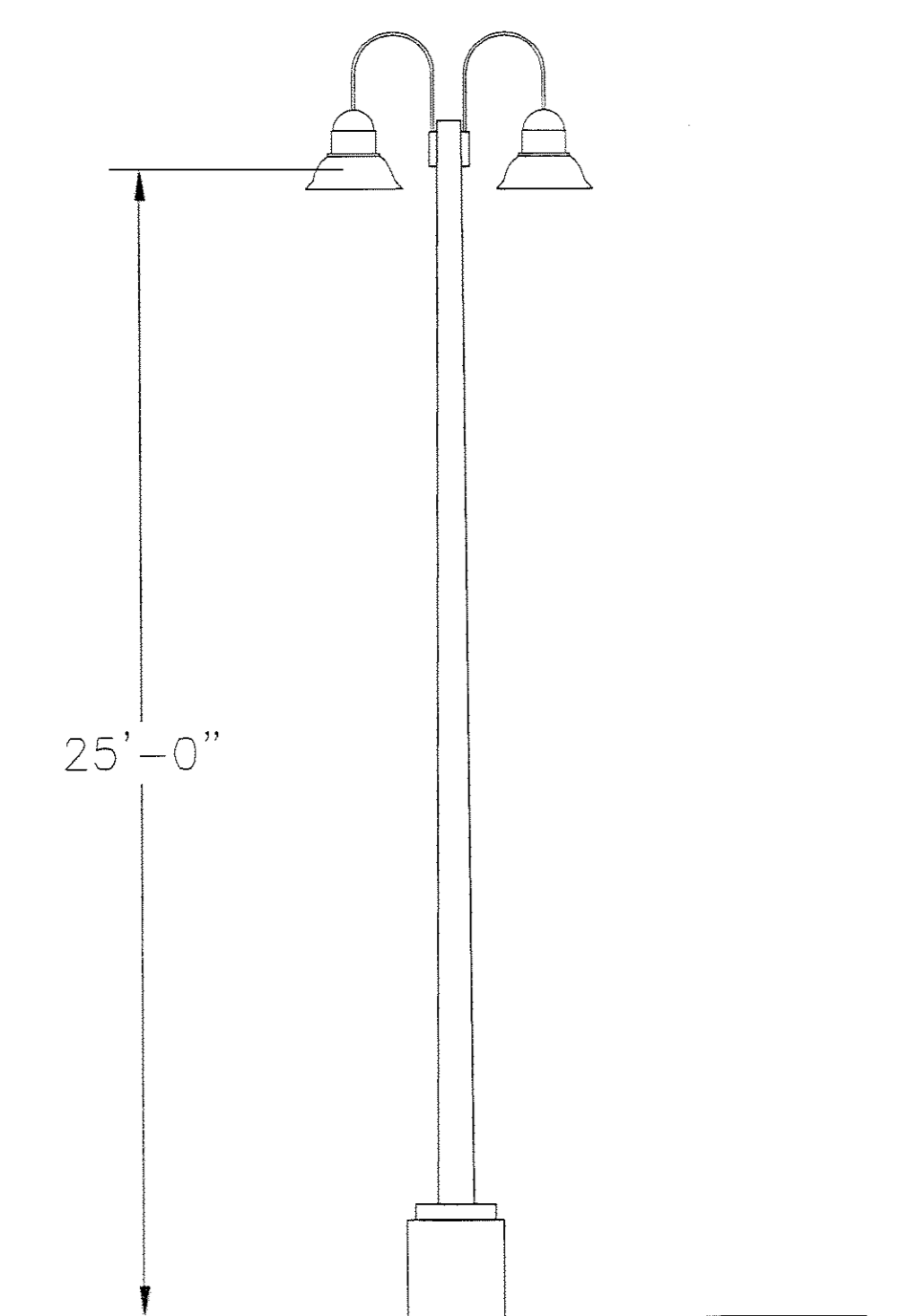
SITE LIGHTING PLANS REVISED PRE CITY COMMENTS

REVISIONS	
DATE	DESCRIPTION
05.10.2006	CITY COMMENTS
08.09.2006	CITY COMMENTS



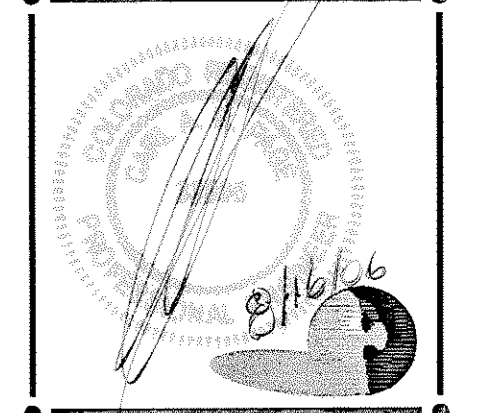
- POLE BASE NOTES**
- POLE BASE IS TO BE ONE CONTINUOUS POUR. 2' PORTION OF EXPOSED CONCRETE BASE ABOVE PAVEMENT SHALL BE HAND-RUBBED SMOOTH. PRE-FABBED CONCRETE POLE BASES WILL NOT BE ACCEPTED. (ALL BASES MUST BE POURED ON SITE).
 - SHAFT CAP, ARMS, BASE FLANGE, ANCHOR BOLTS, LEVELING NUTS, CONNECTION HARDWARE, BOLT COVERS, HANDHOLE COVER, AND BOLT CIRCLE TEMPLATE SHALL BE FURNISHED BY POLE MANUFACTURER.
 - SITE ELECTRICAL CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES & DRAINAGE BEFORE DRILLING POLE BASES. (TYPICAL)
 - CONTRACTOR TO TAKE SPECIAL CARE TO ENSURE CONCRETE POLE BASES ARE POURED ABSOLUTELY VERTICAL AND LEVEL.

1
SL4 SCALE N.T.S.



2
SL4 SCALE N.T.S.

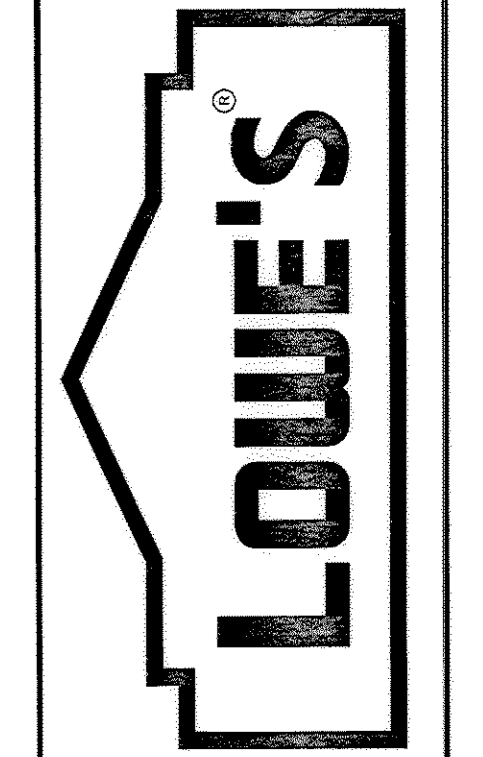
SITE LIGHTING FIXTURE SCHEDULE											SUPPLIER QUESTIONS ON MANUFACTURER'S SPECIFICATIONS PLEASE CONTACT THE APPROVED LOWE'S REPRESENTATIVE LISTED BELOW.					
NOTE: THE MANUFACTURER AND MODELS SHOWN ARE THE ONLY ACCEPTABLE ONES.											HUBBELL SHARON ENGLE (800) 274-2407x1					
LABEL	DESCRIPTION	LAMP TYPE	FIXTURE ORIENTATION	LENS TYPE	POLE HEIGHT	POLE BASE HEIGHT	FIXTURE MOUNTING HEIGHT	FIXTURE/POLE COLOR	DIST. PATTERN	MANUF.	FIXTURE MODEL NUMBER	LUMENS PER CONFIGURATION		POLE MODEL NUMBER	POLE MOUNTED ARM	SYMBOL
												INITIAL	MAINTAINED			
UC	ONE (1) 400W DECORATIVE LUMINAIRE	METAL HALIDE	N/A	FULL CUTOFF	23'	2'	25'	DARK BRONZE	R3	HUBBELL	UCL-HEL-H5-400MH-DBZ	252,000	189,000	DB10-5R23-188	SLA-7(5)	●
UCD	TWO (2) 400W DECORATIVE LUMINAIRES	METAL HALIDE	180°	FULL CUTOFF	23'	2'	25'	DARK BRONZE	R5	HUBBELL	UCL-HEL-H5-400MH-DBZ	2,016,000	1,412,000	DB10-5R23-188	SLA-7(5)-2	●-●
UCDS	TWO (2) 400W DECORATIVE LUMINAIRES WITH HOUSE SHIELDS	METAL HALIDE	N/A	FULL CUTOFF	23'	2'	25'	DARK BRONZE	R3	HUBBELL	UCL-HEL-H3-400MH-DBZ-HSS ROTATED OPTICS	360,000	270,000	DB10-5R23-188	SLA-7(5)-2	●-●



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FIXTURE CUT-SHEETS
LOWE'S OF CASTLE ROCK
CASTLE ROCK, CO
PROJECT No: 06375 DRAWN BY: DHK CHECKED BY: CARP

ORIGINAL ISSUE DATE:
PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE:
DRAWING NUMBER:
SL-4
17/17 05.05.06