

CIVIL IMPROVEMENT PLANS CITY OF SPARKS KIM WAY & ARNDELL WAY STREET REHABILITATION PROJECT

ISSUED FOR
FINAL CONSTRUCTION
4/28/2014



Know what's below.
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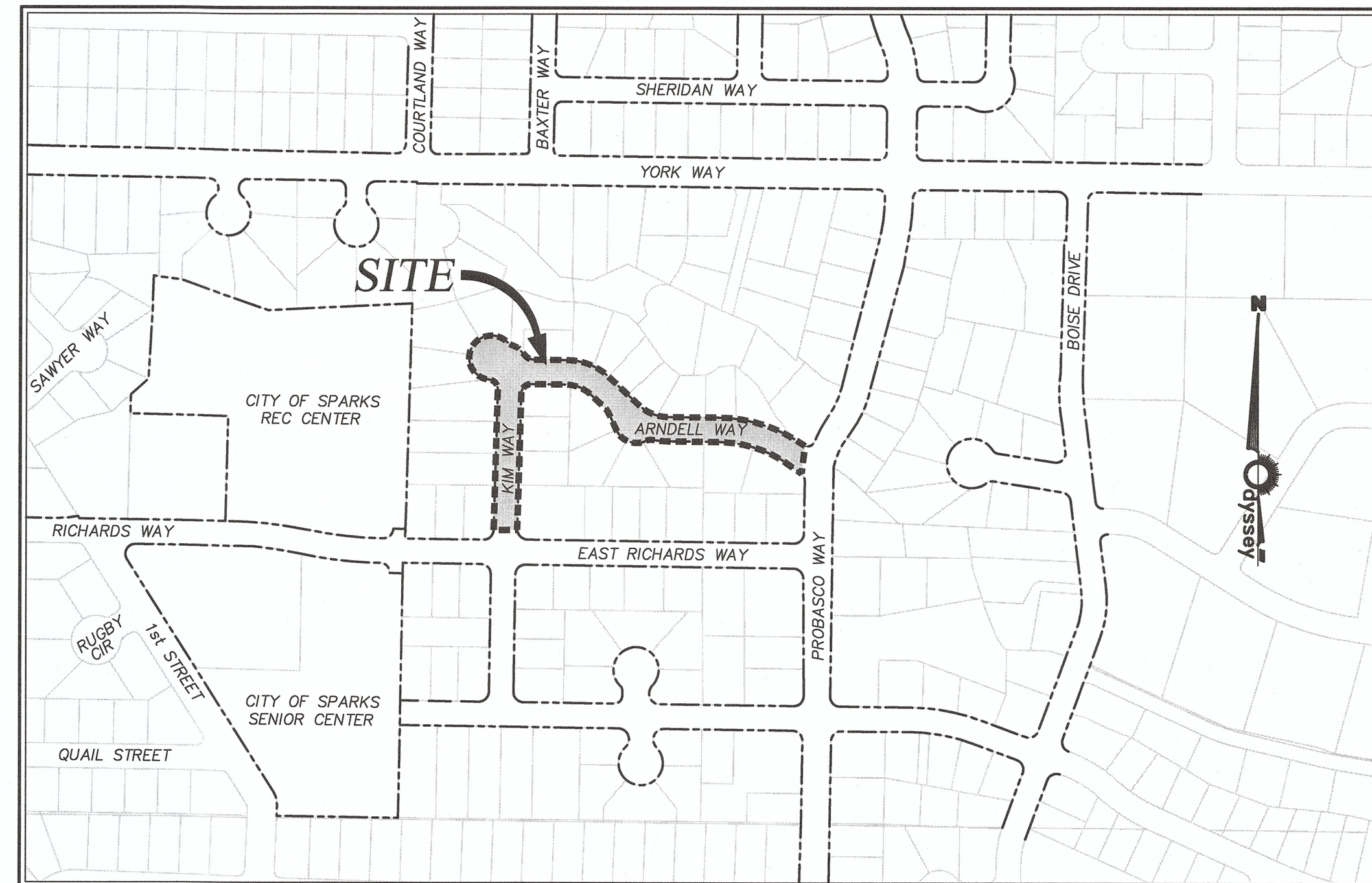
OWNER/DEVELOPER

CITY OF SPARKS
431 PRATER WAY
SPARKS, NEVADA 89432
(775) 353-7809
PROJECT CONTACT:
JON ERICSON, P.E., P.T.O.E.
(775) 353-7809

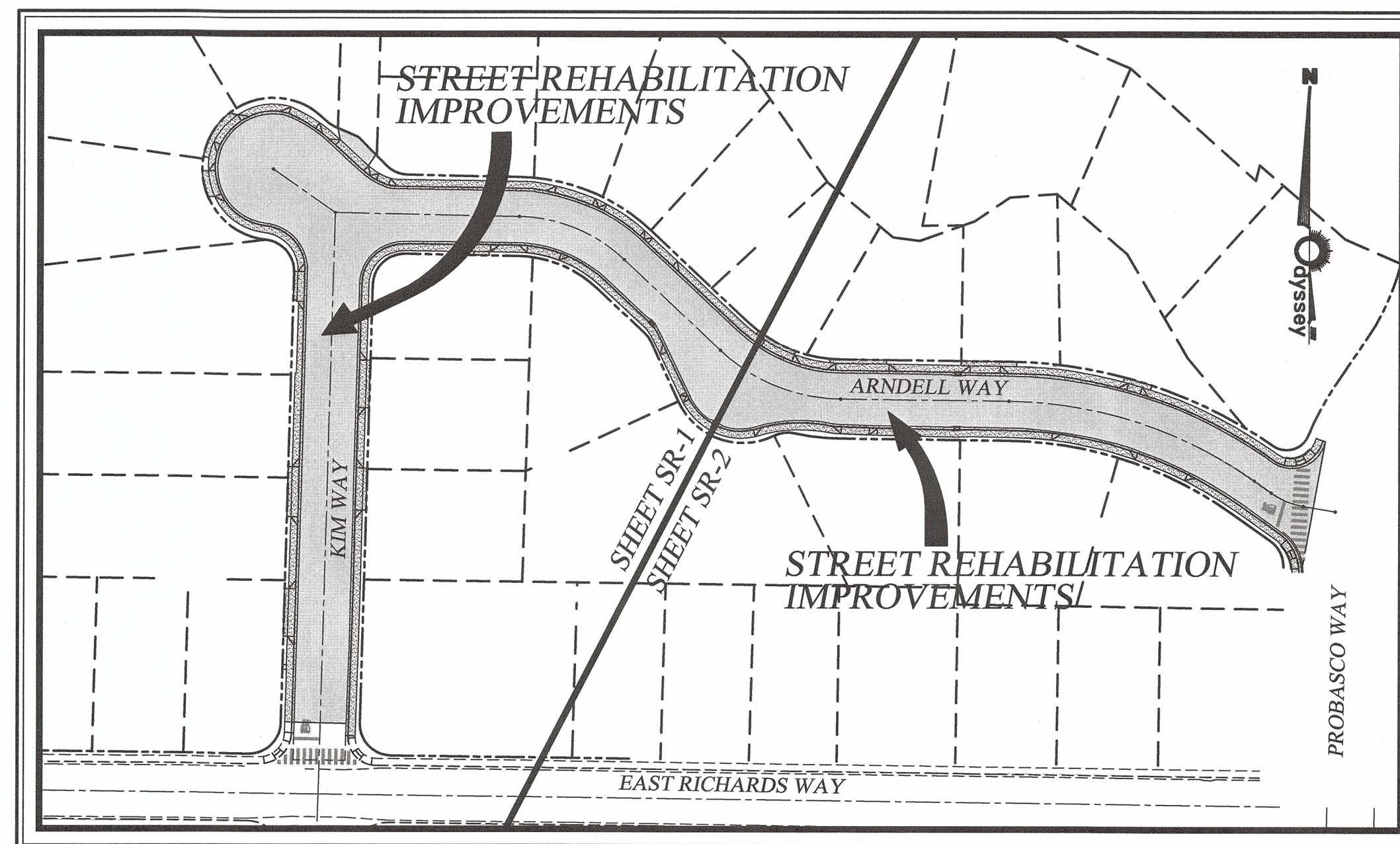
LIST OF ABBREVIATIONS

A.C.	ASPHALTIC CONCRETE
A.P.	ANGLE POINT
B.C.	BEGIN CURVE
B.F.C.	BACK FACE CURB
B.V.C.	BEGIN VERTICAL CURVE
B.S.	BACK OF SIDEWALK
B.W.	BOTTOM OF WALL
C.B.	CATCH BASIN
C.L.	CENTERLINE
CH	CHORD
C.M.P.	CORRUGATED METAL PIPE
CONC.	CONCRETE
CONST.	CONSTRUCT
C.P.	CONCRETE PIPE
D.I.	DROP INLET
DET.	DETAILS
D.W.	DEWATERING OR DRIVEWAY (PER PLAN)
E	EAST
ELEV.	ELEVATION
E.C.	END OF CURVE
E.V.C.	END VERTICAL CURVE
EXIST.	EXISTING
E.G.	EXISTING GRADE
F.F.	FINISH FLOOR
F.F.C.	FRONT FACE CURB
F.G.	FINISH GRADE
F.H.	FIRE HYDRANT
FL	FLOW LINE
F.V.A.	FLUSH VALVE ASSEMBLY
G	GAS
G.V.	GATE VALVE
G.B.	GRADE BREAK
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
INT.	INTERSECTION
I.E.	INVERT ELEVATION
L	LEFT
L	LENGTH
L.F.	LINEAL FEET
L.P.	LOW POINT
L.S.	LIGHT STANDARD
M.H.	MANHOLE
N	NORTH
NW	NORTHWEST
P	PAD ELEVATION
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.O.	PUSH ON
P.O.C.	POINT ON CURVE
P.R.C.	POINT OF REVERSE CURVATURE
P.T.	POINT OF TANGENT
P.V.C.	POLYVINYL CHLORIDE PIPE
PL	PROPERTY LINE
R	RADIAL
R	RADIUS
R.E.	RECLAIMED EFFLUENT
REF.	REFERENCE
RET.	RETURN
R.C.P.	REINFORCED CONCRETE PIPE
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH
S.D.	STORM DRAIN
S.D.C.O.	STORM DRAIN CLEAN OUT
S.S.C.O.	SANITARY SEWER CLEAN OUT
S.S.	SANITARY SEWER
SW	SOUTHWEST
S.W.	SIDEWALK
SHT.	SHEET
STA.	STATION
S.D.	STORM DRAIN
T	TANGENT
T.C.	TOP OF CURB
TOE	TOE OF SLOPE
T.P.	TOP OF PAVEMENT
T.W.	TOP OF WALL
TYP.	TYPICAL
VERT.	VERTICAL
V.C.	VERTICAL CURVE
V.P.I.	VERTICAL POINT OF INTERSECTION
W	WEST OR WATER (PER PLAN)
W.C.	WASHOE COUNTY
W.S.E.	WATER SURFACE ELEVATION

SPARKS, WASHOE COUNTY, NEVADA



VICINITY MAP



SITE & KEY MAP

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS RECORD OF SURVEY FOR THE CITY OF SPARKS 2000 GEODETIC CONTROL NETWORK, MAP NO. 3885, RECORDED FEBRUARY 7, 2001 AS FILE NO. 2522263, BETWEEN POINTS BM 79 AND 3005 HAVING A BEARING OF S 63°12'34" W.

BASIS OF ELEVATIONS

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NOTE

CONSTRUCTION ACTIVITIES AT THIS SITE SHALL NOT COMMENCE ANY EARLIER THAN 7:00 A.M. AND END BY 7:00 P.M. ANY OPERATIONS OUTSIDE OF THESE TIMES WILL REPRESENT A VIOLATION OF SPARKS MUNICIPAL CODE 9.30.030. THE PENALTY OF SAID VIOLATION IS A MAXIMUM OF \$1,000 FINE AND SIX MONTHS IN JAIL FOR EACH OCCURRENCE.

SPECIFICATIONS

ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS, AND THE LATEST STANDARD DETAILS, FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION AND ANY APPURTENANT SUPPLEMENTS) SPONSORED AND DISTRIBUTED BY RENO, SPARKS, AND WASHOE COUNTY.

SHEET INDEX

- T-1 TITLE SHEET
- SR-1 STREET REHABILITATION PLAN
- SR-2 STREET REHABILITATION PLAN
- D-1 DETAIL SHEET
- D-2 DETAIL SHEET
- D-3 DETAIL SHEET

ENGINEER



ENGINEERS CERTIFICATE

THESE PLANS (SHEETS T-1 OF 6 THROUGH D-3 OF 6) HAVE BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PROCEDURES AND GUIDELINES, AND ARE IN SUBSTANTIAL COMPLIANCE WITH APPLICABLE STATUTES, CITY ORDINANCES, STANDARDS, AND CITY CODE. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE PLANS AND CITY CODE, CITY STANDARDS SHALL PREVAIL.

BRETT D. HAMMOND

P.E. #8904

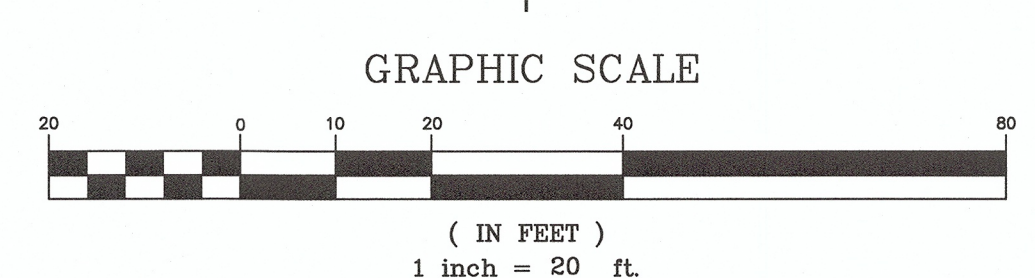
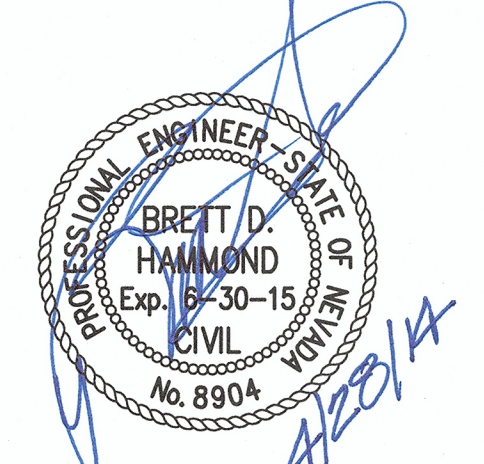
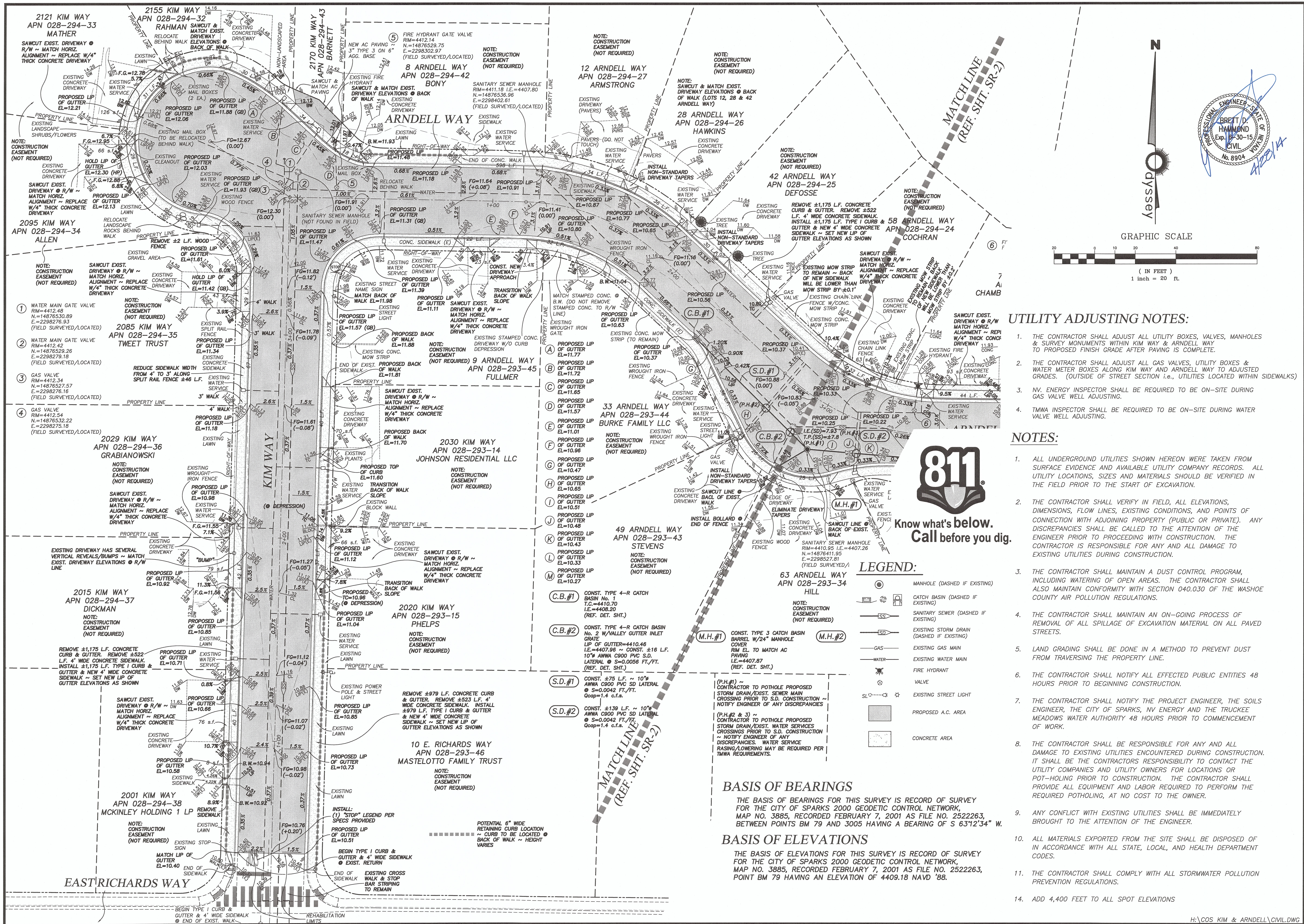
REV.	DATE	DESCRIPTION	BY	APP'D.

DATE: NOVEMBER, 2013	DRAWN BY: ACAD2008	DESIGNED BY: B.H.	CHECKED BY: B.H.
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CITY OF SPARKS
KIM WAY & ARNDELL WAY
STREET REHABILITATION PROJECT
TITLE SHEET
SPARKS, WASHOE COUNTY, NEVADA

885 ROBERTA LANE, SUITE 104, SPARKS, NV 89431 (775) 359-3303 FAX (775) 359-3329	odyssey ENGINEERING INCORPORATED
--	----------------------------------

SCALE
HORIZ. N/A
VERT. N/A
JOB NO.
3425
SHEET
T-1
OF
6



UTILITY ADJUSTING NOTES:

1. THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, VALVES, MANHOLES & SURVEY MONUMENTS WITHIN KIM WAY & ARDELLE WAY TO PROPOSED FINISH GRADE AFTER PAVING IS COMPLETE.
2. THE CONTRACTOR SHALL ADJUST ALL GAS VALVES, UTILITY BOXES & WATER METER BOXES ALONG KIM WAY AND ARDELLE WAY TO ADJUSTED GRADES. (OUTSIDE OF STREET SECTION I.E., UTILITIES LOCATED WITHIN SIDEWALKS)
3. NV. ENERGY INSPECTOR SHALL BE REQUIRED TO BE ON-SITE DURING GAS VALVE WELL ADJUSTING.
4. TMWA INSPECTOR SHALL BE REQUIRED TO BE ON-SITE DURING WATER VALVE WELL ADJUSTING.

NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE TAKEN FROM SURFACE EVIDENCE AND AVAILABLE UTILITY COMPANY RECORDS. ALL UTILITY LOCATIONS, SIZES AND MATERIALS SHOULD BE VERIFIED IN THE FIELD PRIOR TO THE START OF EXCAVATION.
2. THE CONTRACTOR SHALL VERIFY IN FIELD, ALL ELEVATIONS, DIMENSIONS, FLOW LINES, EXISTING CONDITIONS, AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN A DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS. THE CONTRACTOR SHALL ALSO MAINTAIN CONFORMITY WITH SECTION 040.030 OF THE WASHOE COUNTY AIR POLLUTION REGULATIONS.
4. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING PROCESS OF REMOVAL OF ALL SPILLAGE OF EXCAVATION MATERIAL ON ALL PAVED STREETS.
5. LAND GRADING SHALL BE DONE IN A METHOD TO PREVENT DUST FROM TRAVERSING THE PROPERTY LINE.
6. THE CONTRACTOR SHALL NOTIFY ALL EFFECTED PUBLIC ENTITIES 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
7. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, THE CITY OF SPARKS, NV ENERGY AND THE TRUCKEE MEADOWS WATER AUTHORITY 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY COMPANIES AND UTILITY OWNERS FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR REQUIRED TO PERFORM THE REQUIRED POT-HOLING, AT NO COST TO THE OWNER.
9. ANY CONFLICT WITH EXISTING UTILITIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
10. ALL MATERIALS EXPORTED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL STATE, LOCAL, AND HEALTH DEPARTMENT CODES.
11. THE CONTRACTOR SHALL COMPLY WITH ALL STORMWATER POLLUTION PREVENTION REGULATIONS.
14. ADD 4,400 FEET TO ALL SPOT ELEVATIONS



LEGEND:

- ⊙ MANHOLE (DASHED IF EXISTING)
- ⊙ CATCH BASIN (DASHED IF EXISTING)
- SS— SANITARY SEWER (DASHED IF EXISTING)
- SD— EXISTING STORM DRAIN (DASHED IF EXISTING)
- GAS— EXISTING GAS MAIN
- WATER— EXISTING WATER MAIN
- ⊙ FIRE HYDRANT
- ⊙ VALVE
- ⊙ EXISTING STREET LIGHT
- ▭ PROPOSED A.C. AREA
- ▭ CONCRETE AREA

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DATE:	NOVEMBER, 2013
DRAWN BY:	ACAD2008
DESIGNED BY:	B.H.
CHECKED BY:	B.H.
BY:	APP'D
DESCRIPTION:	

895 ROBERTA LANE, SUITE 104, SPARKS, NV 89431 (775) 359-3305 FAX (775) 359-3329	
ODYSSEY ENGINEERING INCORPORATED	

SCALE	HORIZ. 1"=20'
VERT.	N/A
JOB NO.	3425
SHEET	SR-1
OF	6

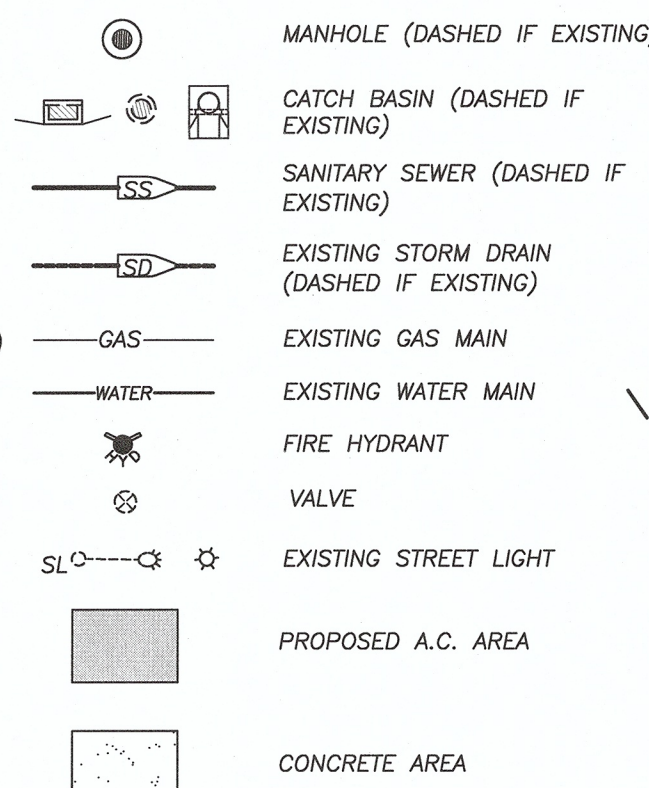
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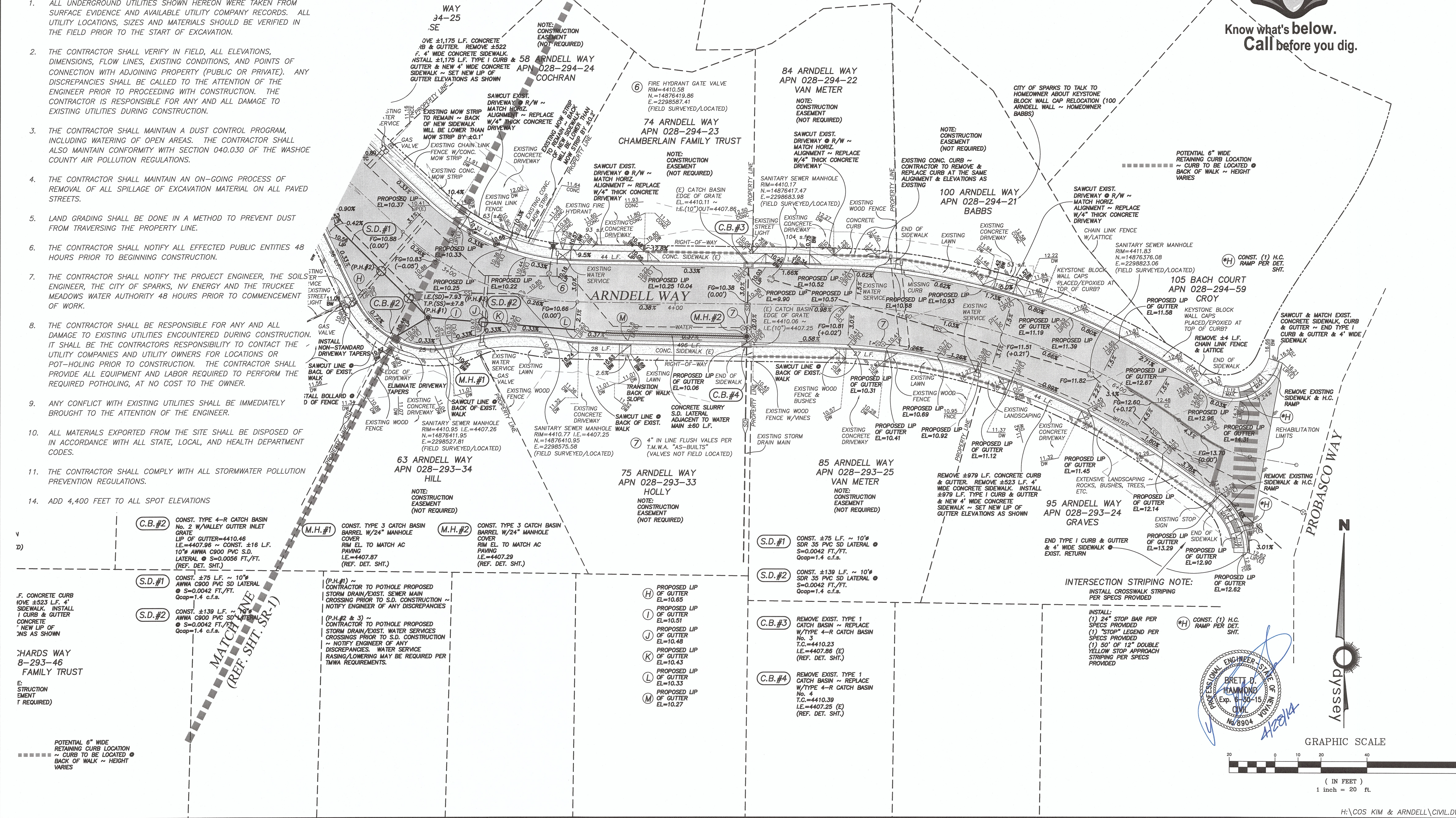
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REV.	DATE	DESCRIPTION
NOVEMBER, 2013 <td> <td></td> </td>	<td></td>	
ACAD2008 <td> <td></td> </td>	<td></td>	
B.H. <td> <td></td> </td>	<td></td>	
E.H. <td> <td></td> </td>	<td></td>	

CITY OF SPARKS
 KIM WAY & ARNDELL WAY
 STREET REHABILITATION PROJECT
 GRIND & OVERLAY PLAN
 WASHOE COUNTY, NEVADA
 SPARKS, NEVADA

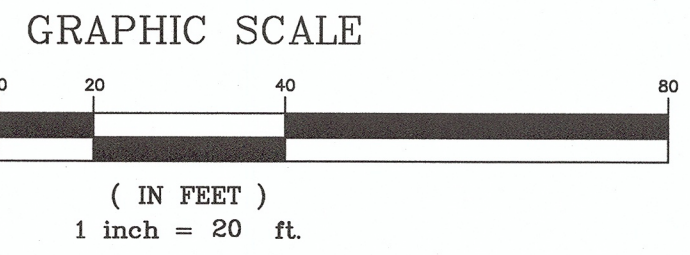
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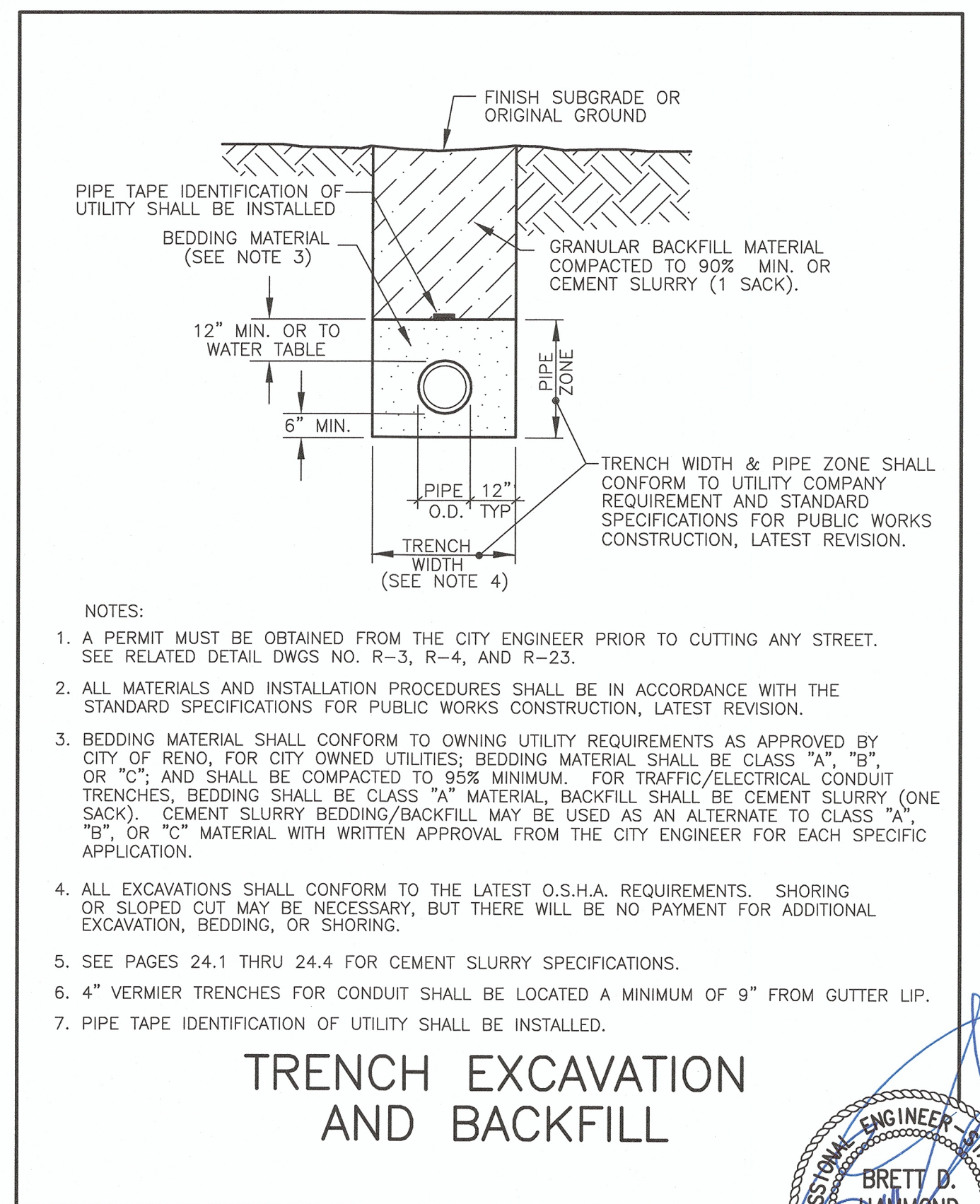
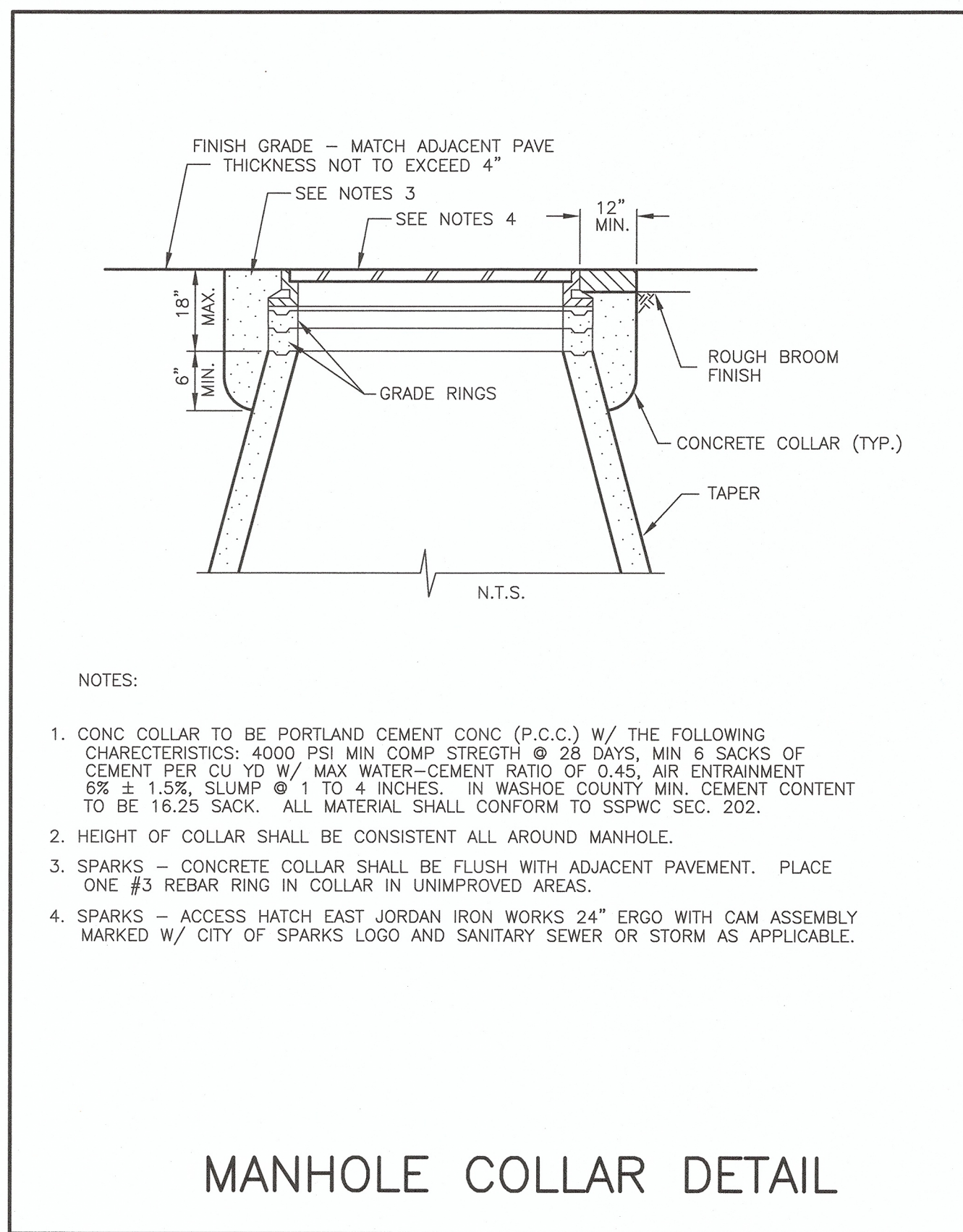
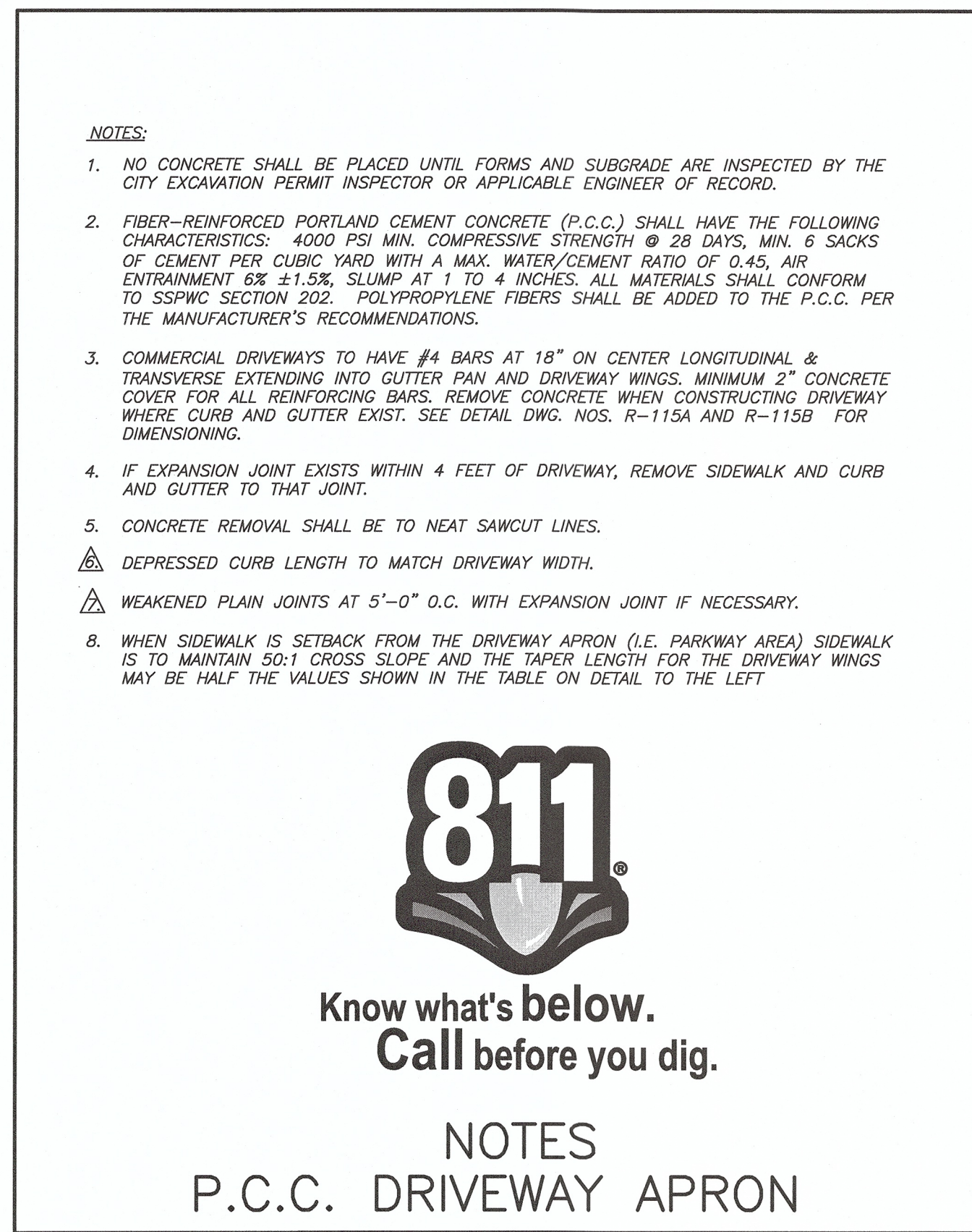
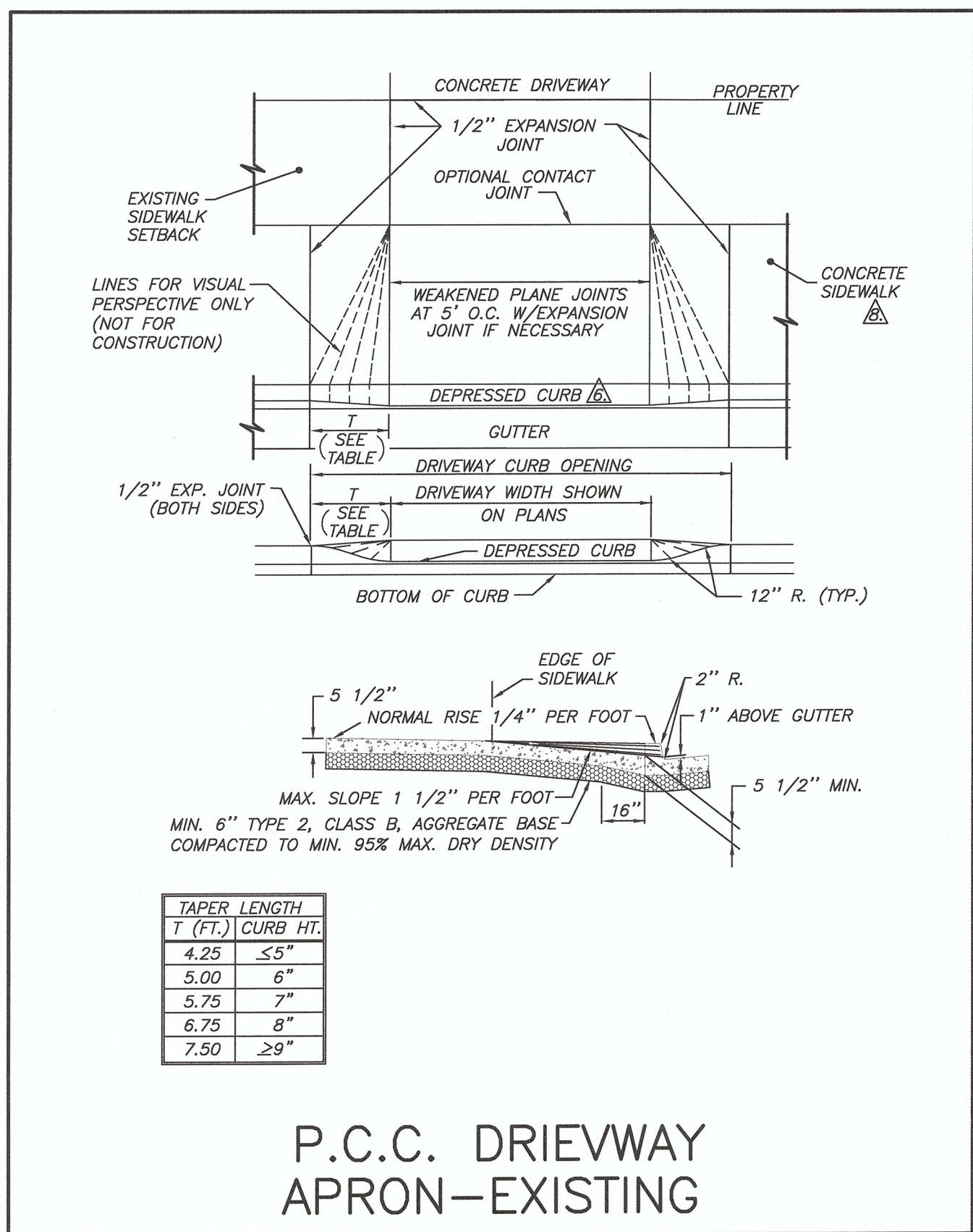
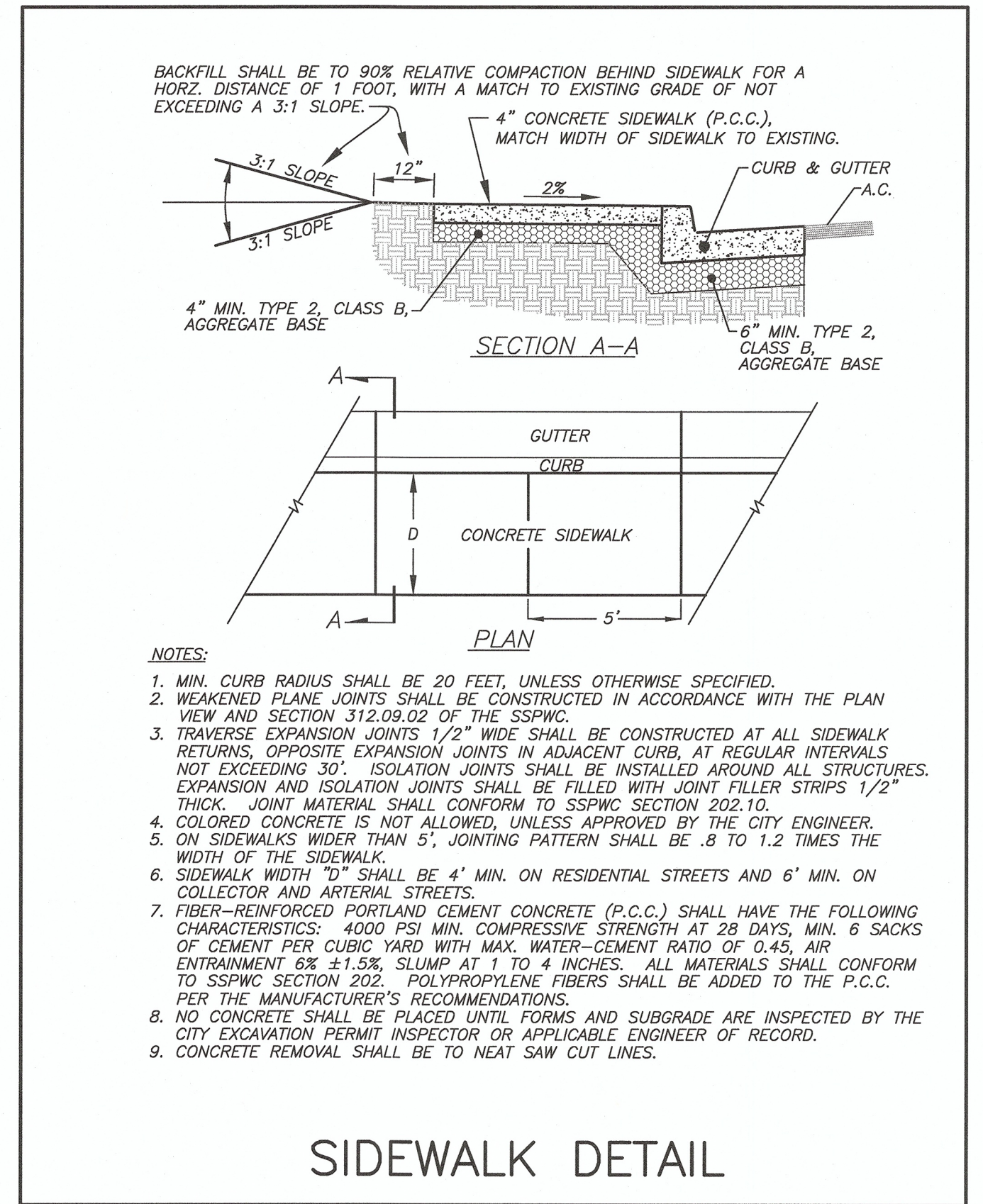
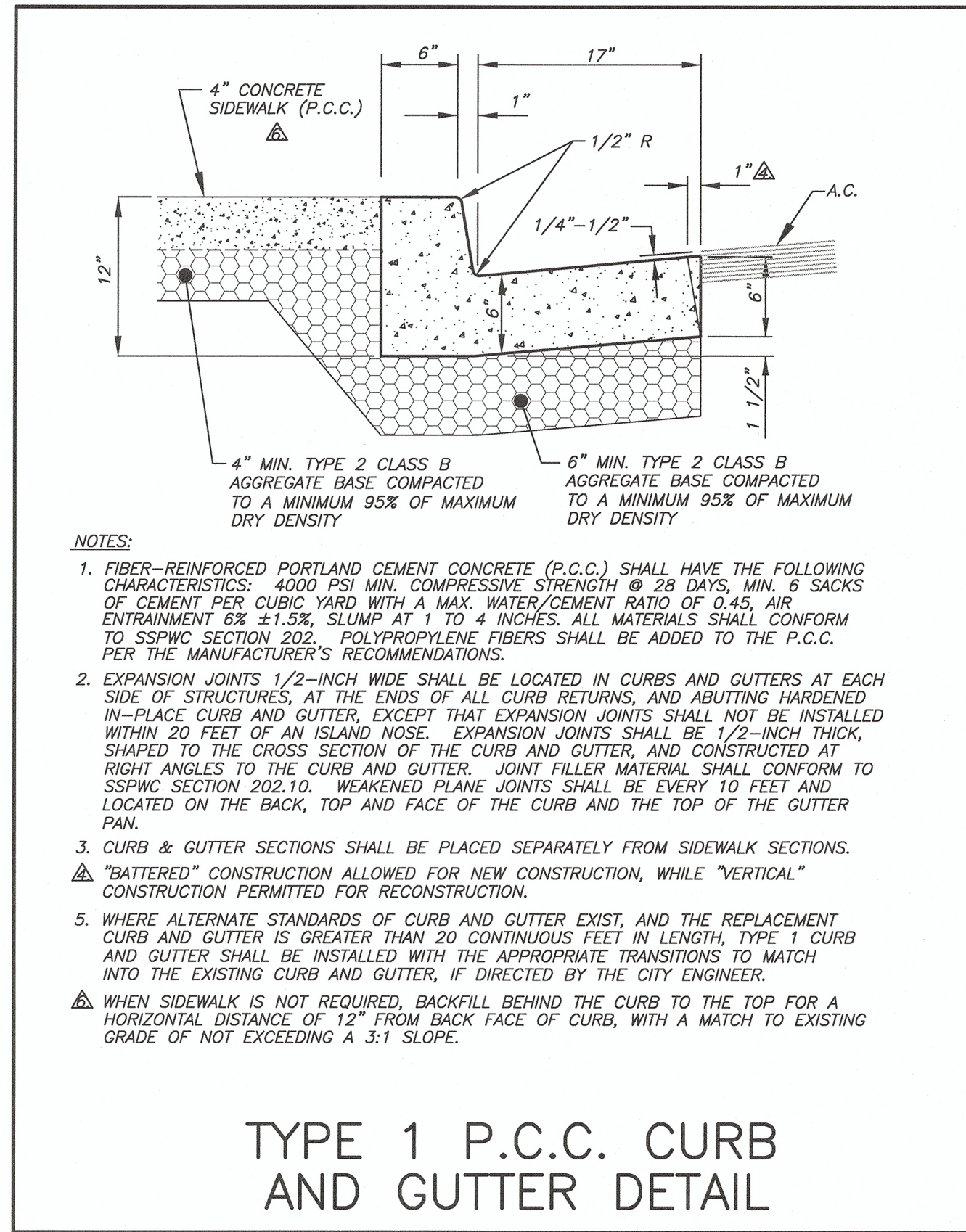
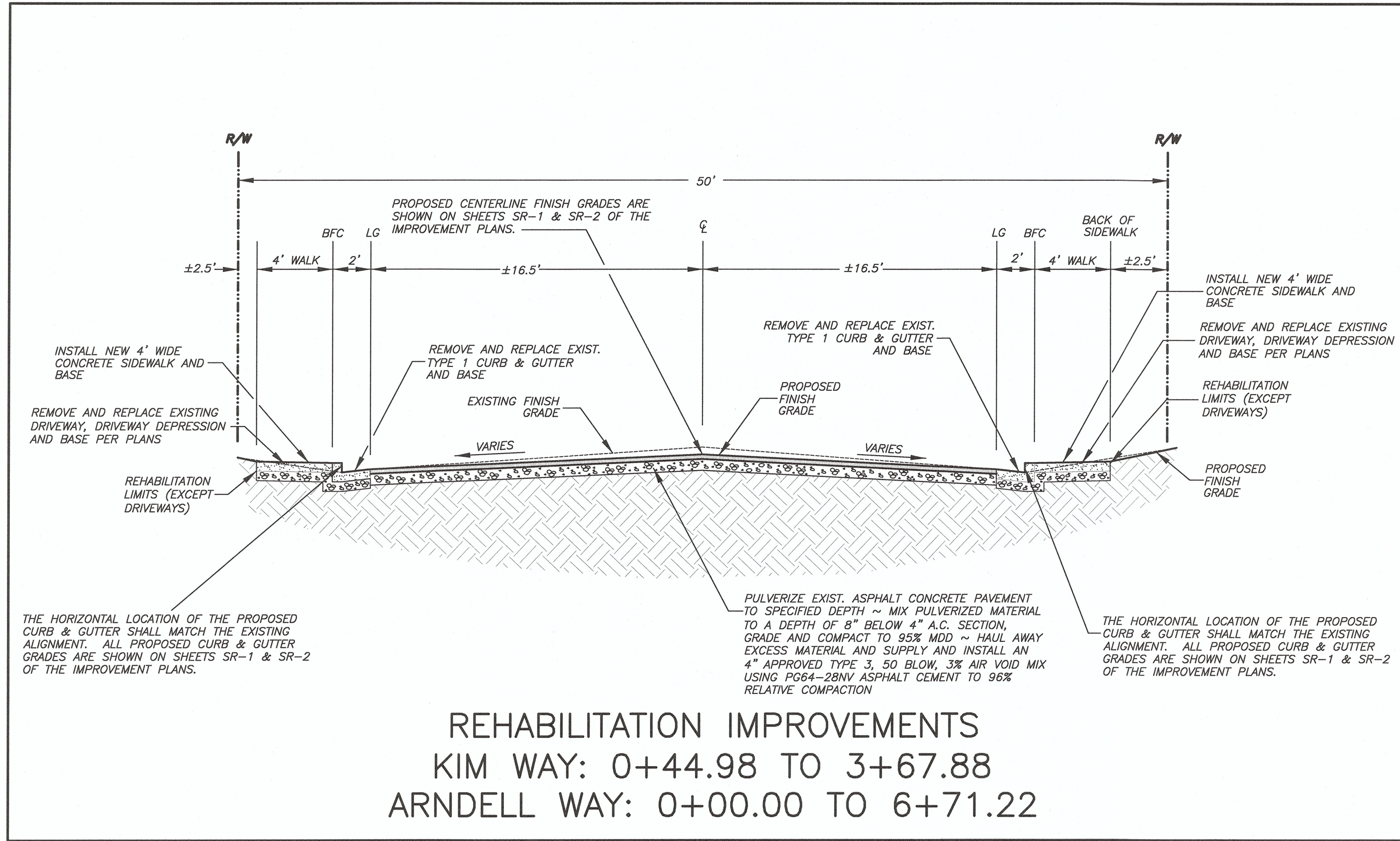


INTERSECTION STRIPING NOTE:
 INSTALL CROSSWALK STRIPING PER SPECS PROVIDED

- INSTALL:
 (1) 24" STOP BAR PER SPECS PROVIDED
 (1) STOP LEGEND PER SPECS PROVIDED
 (1) 50' OF 12" DOUBLE YELLOW STOP APPROACH STRIPING PER SPECS PROVIDED



H:\COS KIM & ARNDELL\CIVIL.DWG



CITY OF SPARKS
 KIM WAY & ARNDELL WAY
 STREET REHABILITATION PROJECT
 DETAIL SHEET
 WASHOE COUNTY, NEVADA
 SPARKS.

DATE: NOVEMBER, 2013
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REVISIONS:

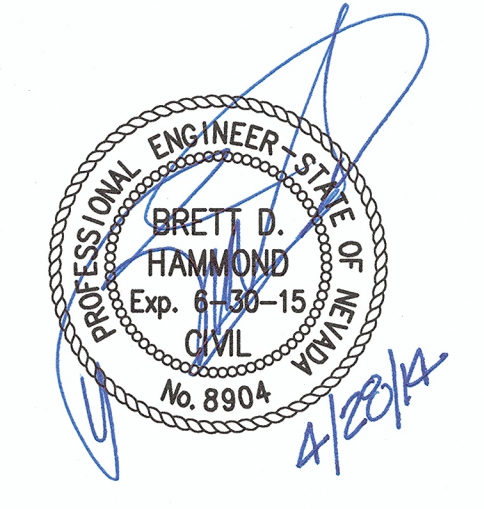
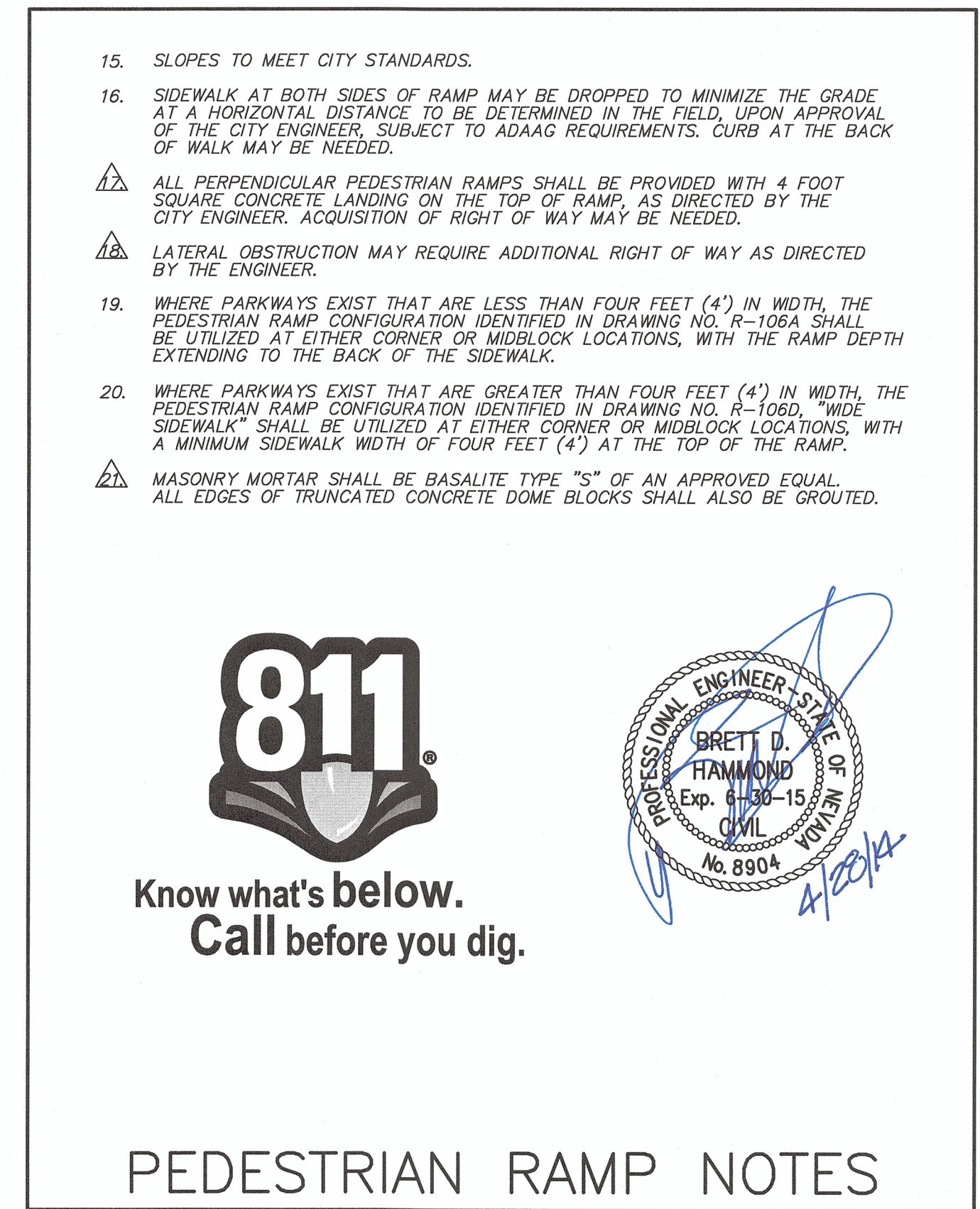
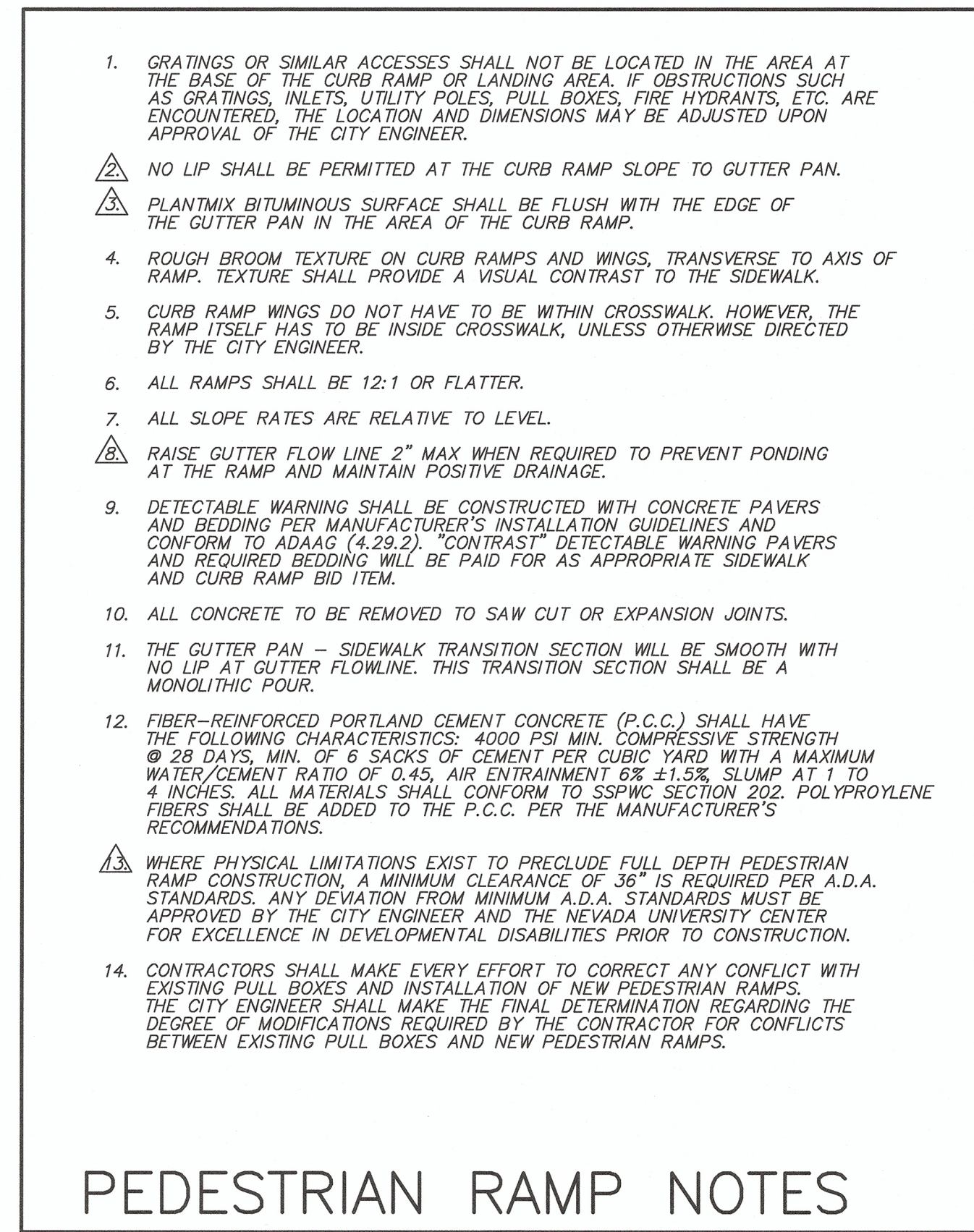
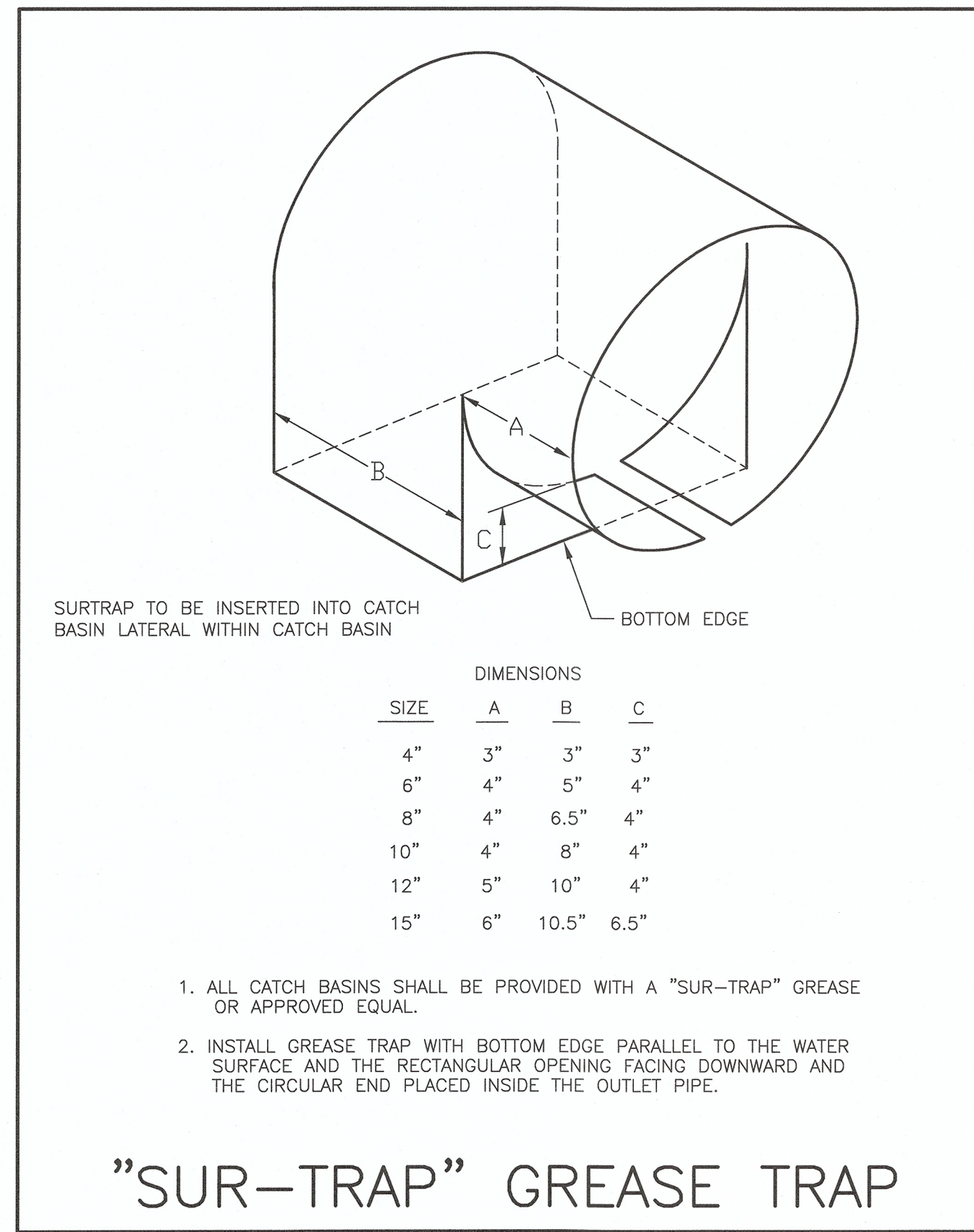
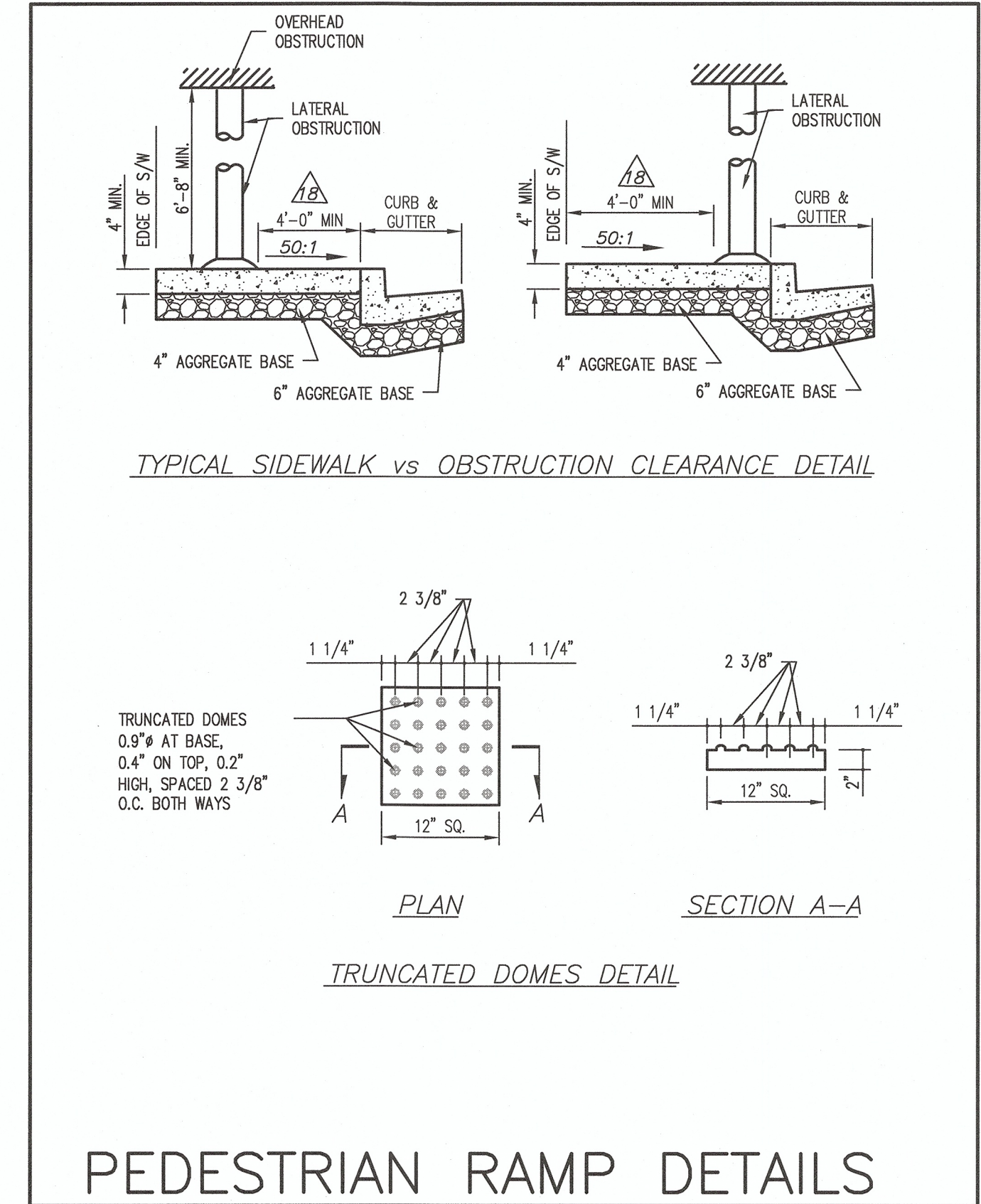
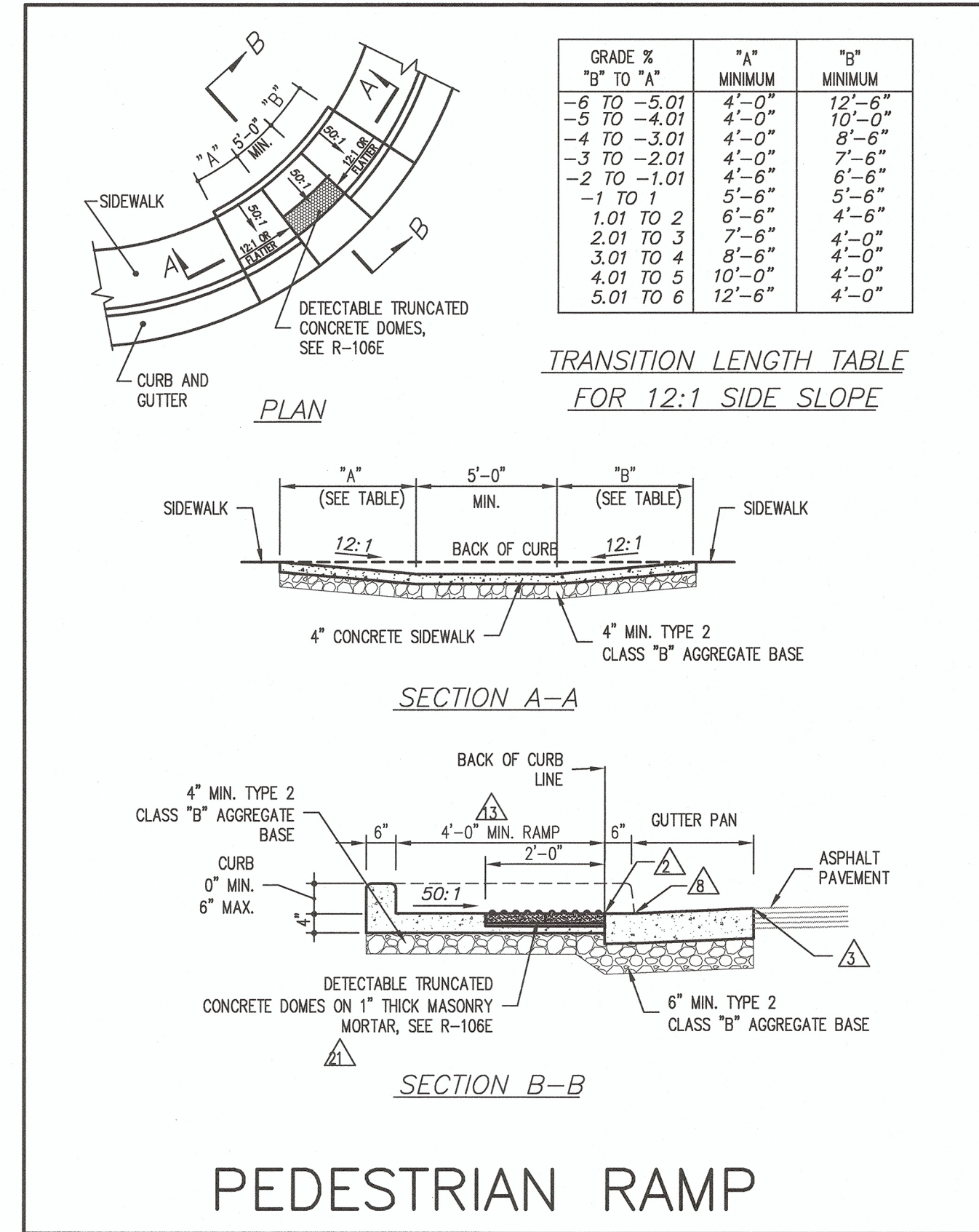
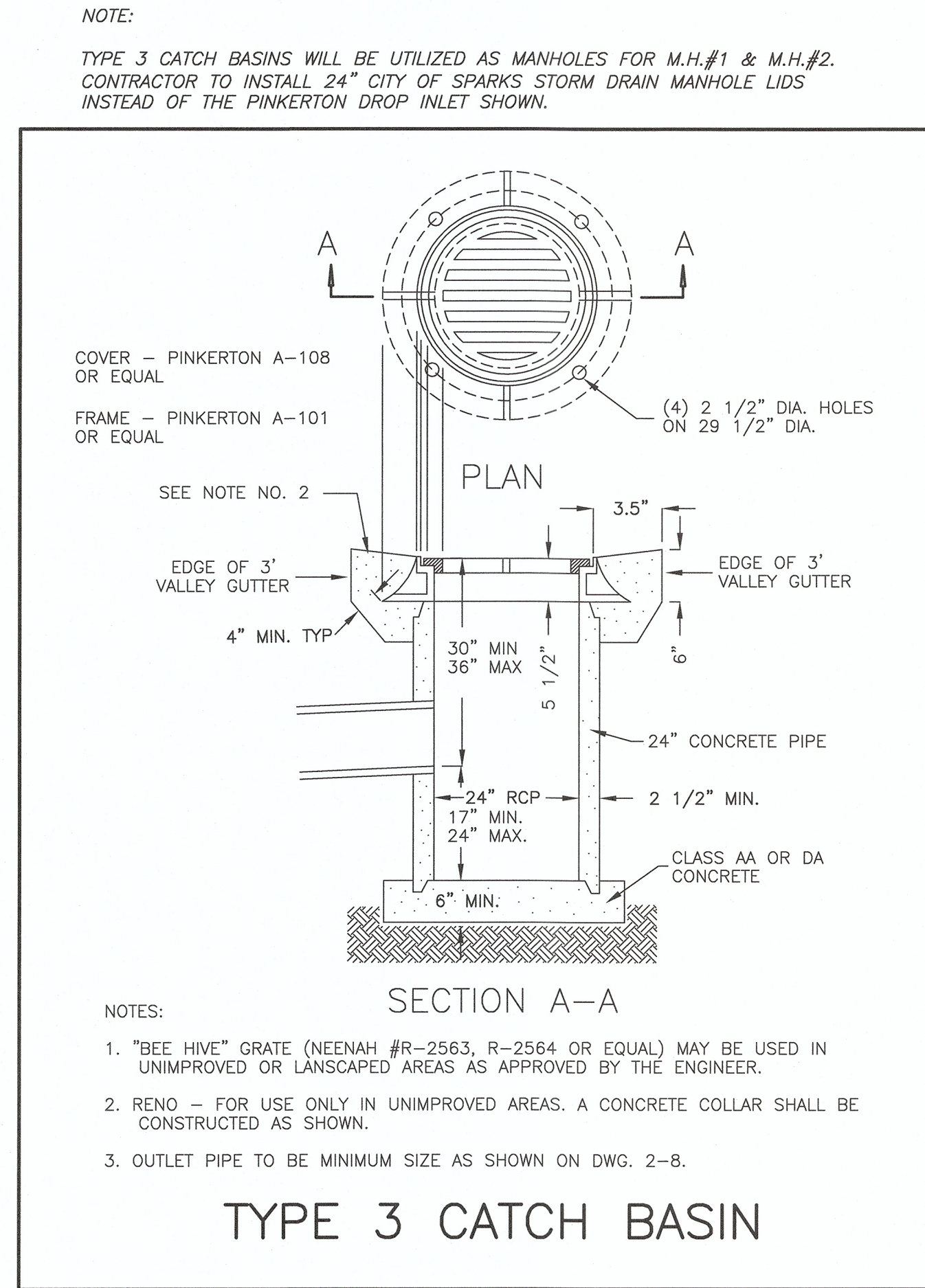
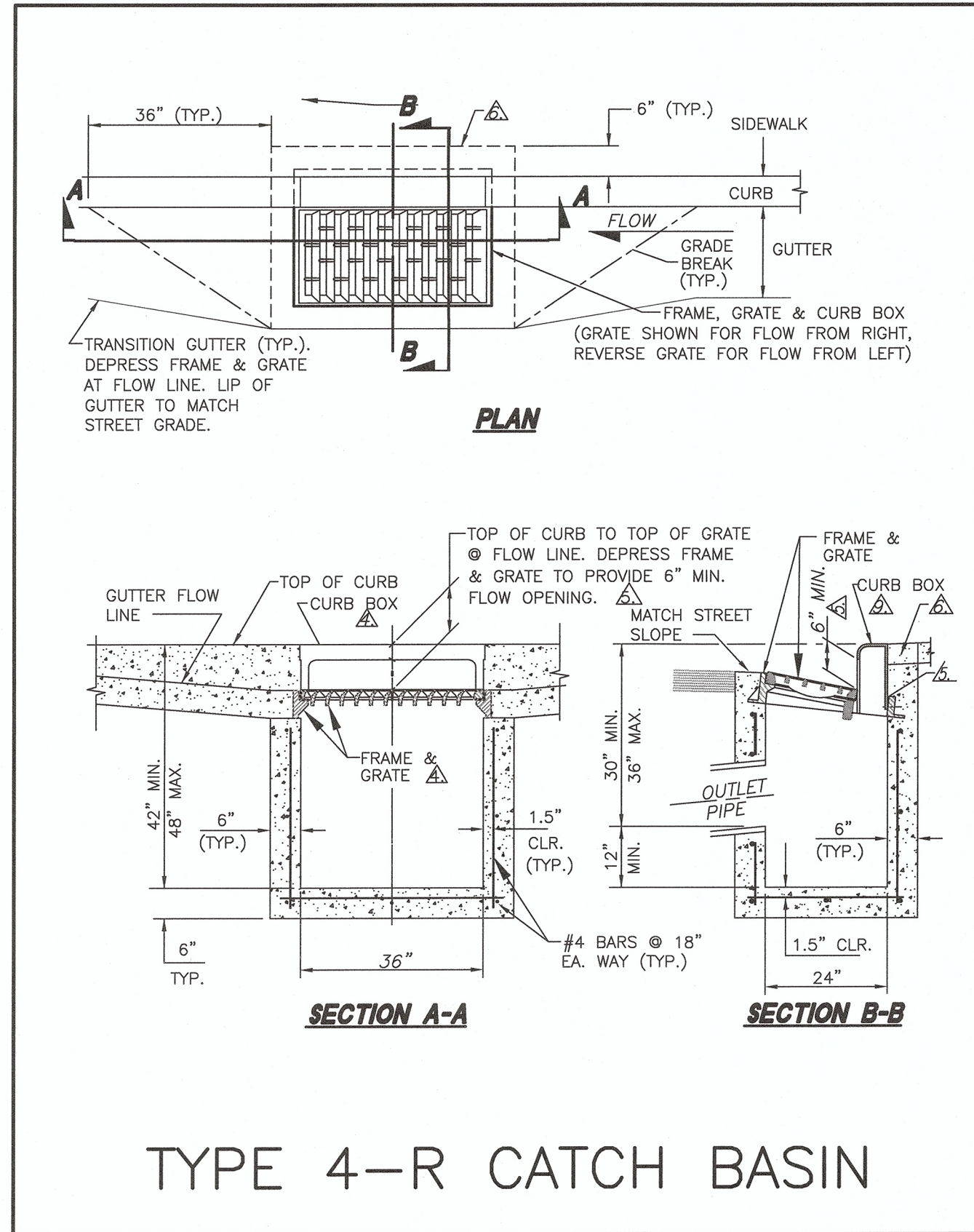
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SCALE
 HORIZ. 1"=20'
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JOB NO.
 8425

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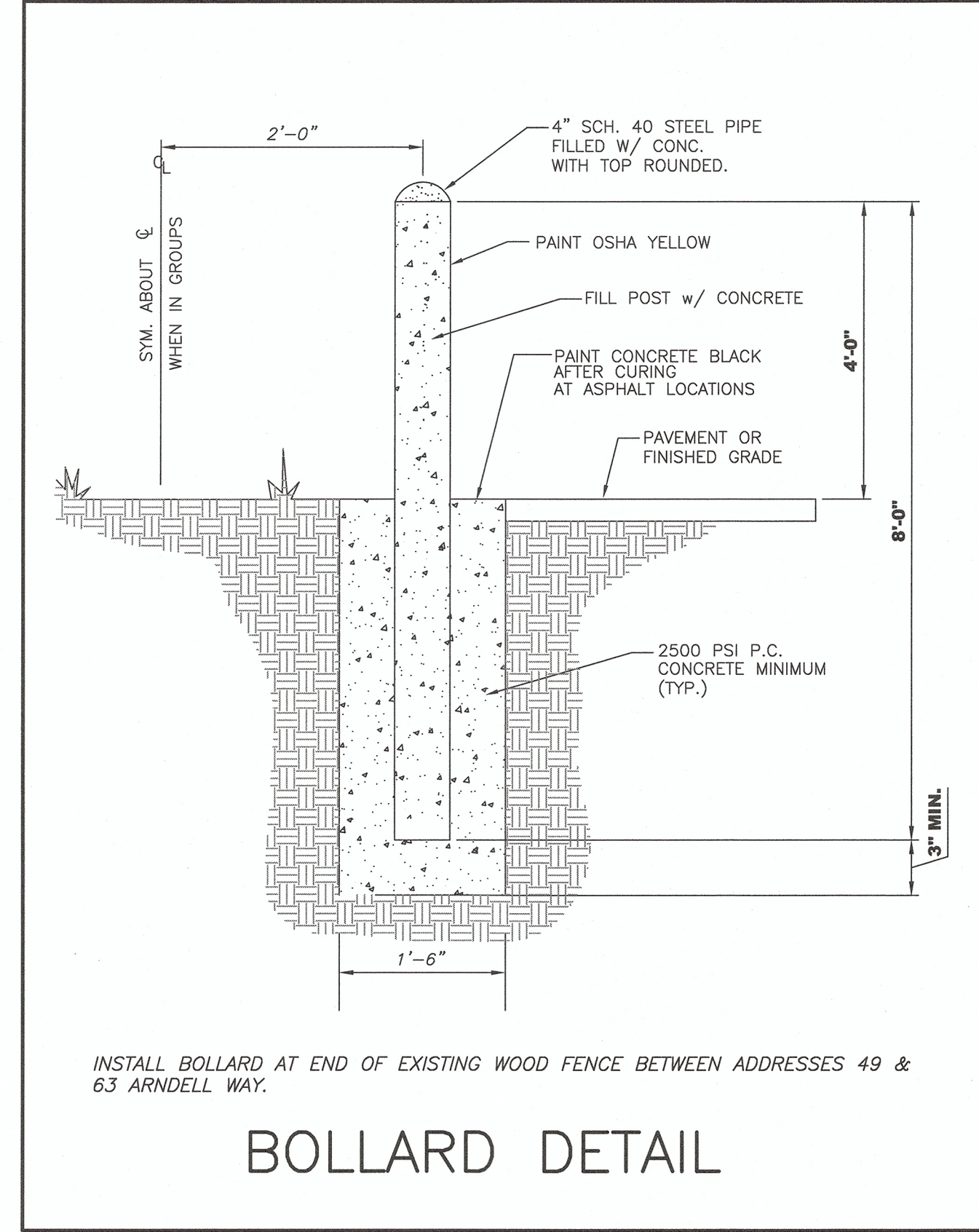
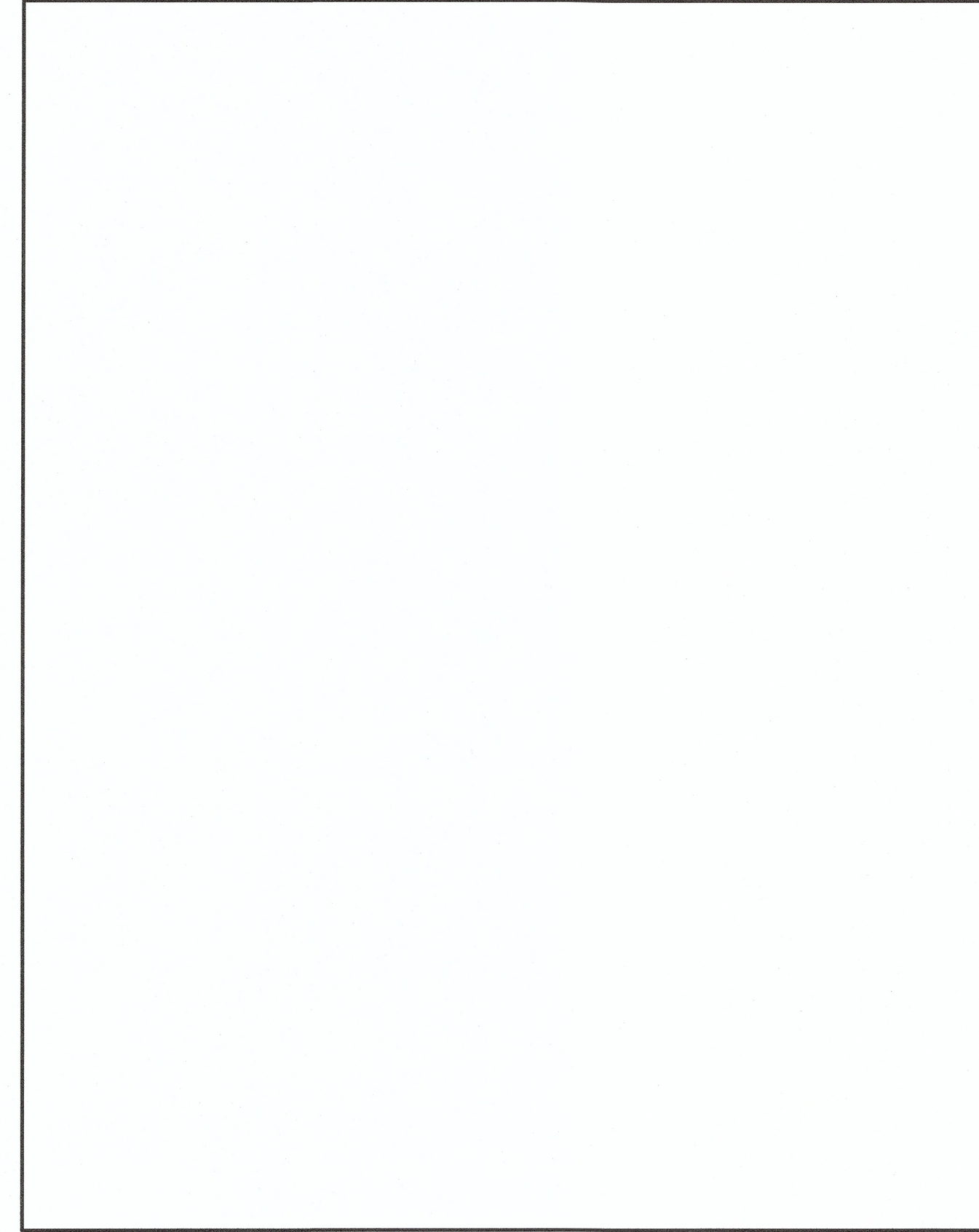
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SPECIFICATION

PERFORMED THERMOPLASTIC PAVEMENT MARKINGS

1. USE: A durable, retro-reflective pavement marking material suitable for use as roadway, intersection, airport, commercial or private delineation and markings.

1.1 The markings must be a resilient white or yellow hydrocarbon thermoplastic product with uniformly distributed glass beads throughout the entire cross sectional area. Lines, legends and symbols are capable of being affixed to bituminous and/or Portland concrete pavements by the use of the normal heat of a propane type of torch. Other colors shall be available as required.

1.2 The markings must be capable of conforming to pavement contours, breaks and faults through the action of traffic at normal pavement temperatures. The markings shall have resealing characteristics, such that it is capable of fusing with itself and previously applied thermoplastic when heated with the torch.

1.3 The markings must be able to be applied in temperatures down to 32 degrees F. without any special storage, preheating or treatment of the material before application.

2. MATERIAL: Must be composed of hydrocarbon resin, aggregates, pigments, binders and glass beads which have been factory produced as a finished product, which is designed to meet the requirements of the current edition of the Manual on Uniform Traffic Control Devices for Streets and Highways. The thermoplastic material conforms to AASHTO designations M249-79 (B6), with the exception of the relevant differences due to the material is supplied in a performed state.

2.1 Graded Glass Beads:

The material must contain a minimum of thirty percent (30%) graded glass beads by weight. The beads are clear and transparent. Not more than twenty percent (20%) consist of irregular fused spheroids, or silica. The index of refraction shall not be less than 1.50.

2.2 Pigments:

White: Sufficient titanium dioxide pigment is used to ensure a color similar to Federal Highways White, Color No. 17886, as per Federal Standard 595.

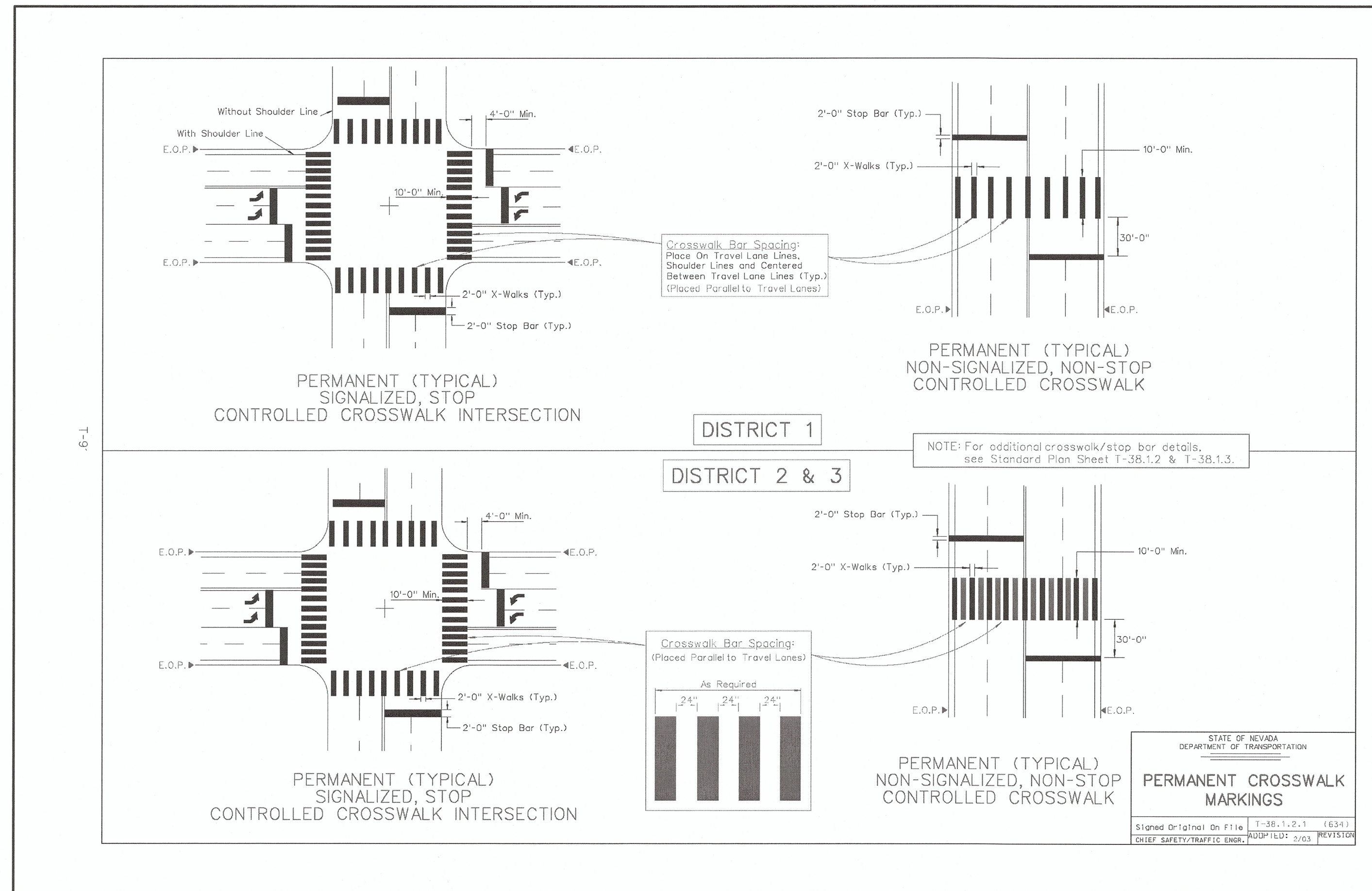
Yellow: Sufficient yellow pigment is used to ensure a color similar to Federal Highway Yellow, Color No. 13655, as per Federal Standard 595. The yellow pigment must be of organic origin only.

PERFORMED THERMOPLASTIC PAVEMENT MARKINGS



811

Know what's below.
Call before you dig.



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