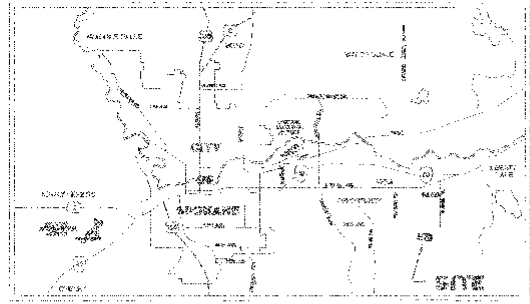
ROAD AND DRAINAGE PLANS FOR

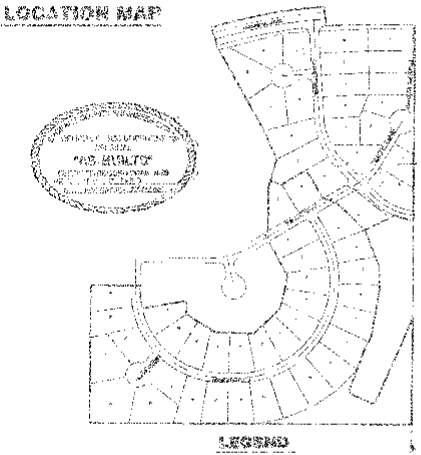
WINDSOR RIDGE FIRST & SECOND ADDITIONS

SPOKANE, WASHINGTON

NW 1/4 AND SW 1/4 OF S.30, T.25 N., R. 45 EAST, W.M.



LOCATION MAP



SCHEDULE OF DRAWINGS

SHEET NO. DESCRIPTION

GENERAL

1 ..... COVER SHEET

ROAD

2 ..... CHAPMAN ROAD - STA. 42+12.83 TO STA. 46+14.50

3 ..... WINDSOR DRIVE - STA. 69+16.86 TO STA. 70+00.41

4 ..... GALAXY DRIVE - STA. 17+58.2 TO STA. 19+97.04
GALAXY COURT - STA. 19+97.54 TO STA. 23+05.83

5 ..... PRIVATE DRIVEWAY - STA. 0+00 TO STA. 3+00
WINDSOR COURT - STA. 10+00 TO STA. 11+39.71

6 ..... CORBIN CIRCLE - STA. 11+13.85 TO STA. 13+16.85
RIDGE COURT - STA. 10+00 TO STA. 11+31.70

7 ..... CORBIN CIRCLE - STA. 14+13.09 TO STA. 20+92.55

DRAINAGE

8 ..... CHAPMAN ROAD - STA. 42+20.50 TO STA. 46+13.05

9 ..... WINDSOR DRIVE - STA. 62+68.782 TO STA. 69+62.03

10 ..... GALAXY DRIVE - STA. 18+58 TO STA. 19+97.54
GALAXY COURT - STA. 19+97.54 TO STA. 23+61.04

11 ..... CORBIN CIRCLE - STA. 15+45 TO STA. 23+79.38
LINE A - STA. 0+00 TO STA. 2+00

12 ..... PRIVATE DRIVEWAY DITCH - STA. 0+02 TO STA. 3+00
RIDGE COURT - POND F4

13 ..... EROSION AND SEDIMENT CONTROL PLAN (NOT INCLUDED)

14 ..... ROAD AND DRAINAGE DETAILS

15 ..... WINDSOR RIDGE POND DETAILS - SHEET 8 OF 10
(PREPARED BY CLC ASSOCIATES, INC.)

16 ..... WINDSOR RIDGE POND DETAILS - SHEET 10 OF 10
(PREPARED BY CLC ASSOCIATES, INC.)

NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION, 1988 AND AS AMENDED.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. ANY CONFLICTING UTILITIES SHALL BE RELOCATED PRIOR TO CONSTRUCTION OF ROAD AND DRAINAGE FACILITIES.
3. THE CONTRACTOR IS REQUIRED TO HAVE A COMPLETE SET OF THE APPROVED ROAD AND DRAINAGE PLANS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
4. IF THE CONTRACTOR DISCOVERS ANY DISCREPANCIES BETWEEN THE PLANS AND EXISTING CONDITIONS ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER AND THE SPOKANE COUNTY ENGINEERING OFFICE.
5. FOR CONSTRUCTION OF DRIVEWAYS, INSTALL FILTER FABRIC (MIRAFI 140N OR APPROVED EQUIVALENT) BETWEEN THE WASHED GRAVEL AND THE NATIVE SOIL.
6. PRIOR TO SITE DEVELOPMENT, THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. CALL THE UNDERGROUND UTILITY LOCATION SERVICE AT 509-456-2000 BEFORE YOU DIG.
7. FOR ANY SLOPE GREATER THAN 0.05 (.05 FT/FT), A WATERCOLOR (WATER-ACCEPTABLE) PROFESSIONAL LAND SURVEYOR SHALL VERIFY THAT THE SITE CLEAR AND GRADE IS IN ACCORDANCE WITH THE APPROVED PLANS, PRIOR TO PLACEMENT OF CURB MATERIAL. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING AND COORDINATING WORK WITH THE PROFESSIONAL LAND SURVEYOR.
8. THE CONTRACTOR SHALL CONTACT A LICENSED SURVEYOR TO VERIFY THAT THE GRADE-GUTTER FORMS ARE AT THE CORRECT FLOWLINE GRADE PRIOR TO CONCRETE PLACEMENT. THE GRADE-GUTTER SHALL BE CONSTRUCTED PRIOR TO PAVING, AND THE PAVEMENT SHALL THEN MATCH THE EDGE OF CONCRETE GUTTER.
9. THE FLOOR OF A GRASS PERCOLATION AREA (GPA) SHALL INCLUDE THE LEVEL PORTION OF THE CLOSED OF THE BASIN AND THE SIDESLOPES OF THE BASIN UP TO THE GPA OVERFLOW ELEVATION ON TOP OF BERTHOLD. ANY ROCK GREATER IN THE FLOOR OF THE GPA SHALL BE REMOVED TO WELL-COMPACTED MATERIAL WITH A MINIMUM OVERBURDEN DEPTH OF SIX INCHES PER TEMP. ENGINEER SHALL PROVIDE A WRITTEN STATEMENT WHICH REPORTS THAT ALL GPA BASINS COMPLY TO THE REQUIREMENT. THIS WRITTEN STATEMENT SHALL BE SUBMITTED TO THE SPOKANE COUNTY ENGINEERING OFFICE PRIOR TO SCHEDULING FINAL CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE. THE LAWN FLOOR MATERIAL SHALL BE WITHIN 0.5 TO 0.75 INCHES PER HOUR WHICH ALSO MEETS OR EXCEEDS THE MINIMUM PERCOLATION RATE OF 0.5 INCHES PER HOUR.
10. CONTRACTOR SHALL PROVIDE FILTER FABRIC OVER CATCH BASIN GRATES DURING CONSTRUCTION AND PERIODICALLY CLEAN FILTER OF DEBRIS. IF THE FILTER FABRIC FOR ANY REASON IS REMOVED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN OUT THE CATCH BASIN AND REPLACE FILTER FABRIC.
11. STREET NAME SIGNS SHALL BE INSTALLED PER SPOKANE COUNTY STANDARDS.
12. CROSSWALK PAVEMENT MARKINGS SHALL BE INSTALLED AT ALL INTERSECTIONS.
13. SEE SHEETS 2 THROUGH 16 FOR DRAINAGE STRUCTURES AND CONSTRUCTION.

LEGEND

LABELING	NOTE	FUNCTION	SYMBOL	NOTE
[illegible]	[illegible]	CONTOUR		[illegible]
	[illegible]	FLOW DIRECTION		[illegible]
	[illegible]	EXISTING LINE		[illegible]
	[illegible]	LOT LINE		[illegible]
	[illegible]	CURB AND GUTTER		[illegible]
	[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]		[illegible]
	[illegible]	SANITARY SEWER		[illegible]
	[illegible]	SEWER LINE		[illegible]
	[illegible]	WATER LINE, FLOW		[illegible]
	[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]		[illegible]

Developer's Approval: [illegible] Date [illegible]

[illegible]

Taylor Engineering, Inc.
[illegible]

SCALE: [illegible] / 16

WINDSOR RIDGE
FIRST AND SECOND ADDITION
COVER SHEET

[illegible]

S. 30, T.25N., R.23E., W.M.

CHAPMAN ROAD

WOODSIDE PRIVATE
SECURITY SUBDIVISION

CONSTRUCTION NOTES:
ALL WORK SHALL BE DONE PER BENTON COUNTY STANDARDS UNLESS OTHERWISE NOTED.

1. CONCRETE SIDEWALK PER STANDARD SHEET [illegible] OR DRAWING [illegible] OF SPECIAL DRAWING.
2. WALKS, CURB RAMP PER STANDARD SHEET [illegible], [illegible].
3. CURB PER ALTERNATE CURB PER STANDARD SHEET [illegible] AND [illegible] THAT STOP CURB FOR MULTIUSE.
4. APPROXIMATE LOCATION OF FUTURE TURN LANE WITH TO BE VERIFIED WITH FUTURE PLATTING TO THE NORTH.

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

+ PBM
POINT FOR [illegible]
[illegible]
[illegible]
= [illegible] DATUM

45°-[illegible]
[illegible]

AS-BUILT

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Taylor Engineering, Inc.
[illegible]

BENTON COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS

VERTICAL DATUM: [illegible]
HORIZONTAL DATUM: [illegible]
GRID FILE NAME: [illegible]

SCALE
HORZ: 1" = [illegible]
VERT: [illegible]

DESIGNER OFFICE
[illegible]

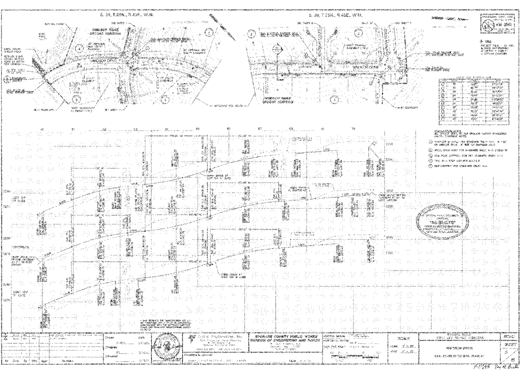
CHAPMAN ROAD
STA. [illegible] TO STA. [illegible]

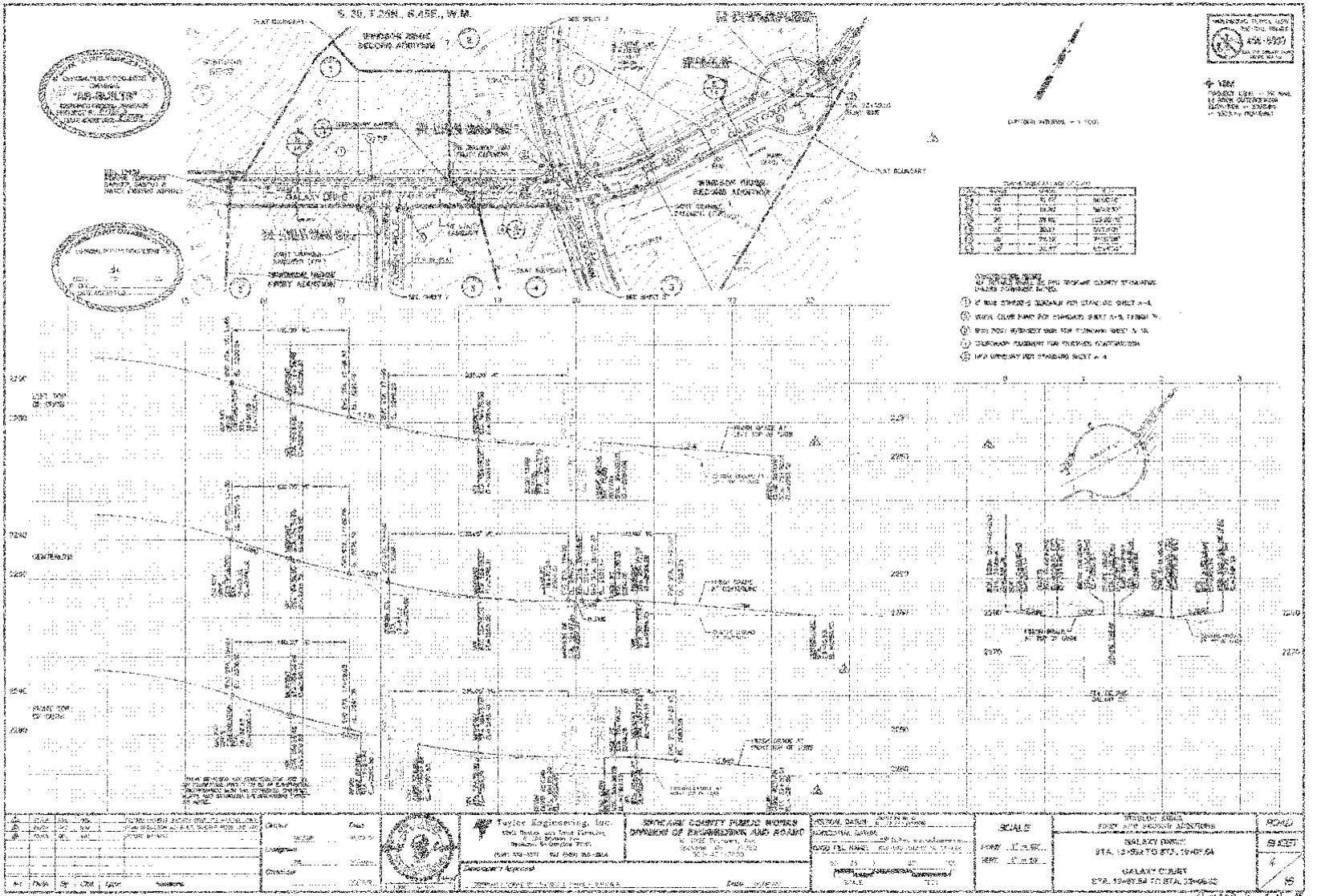
ROAD
SHEET 2 / 16

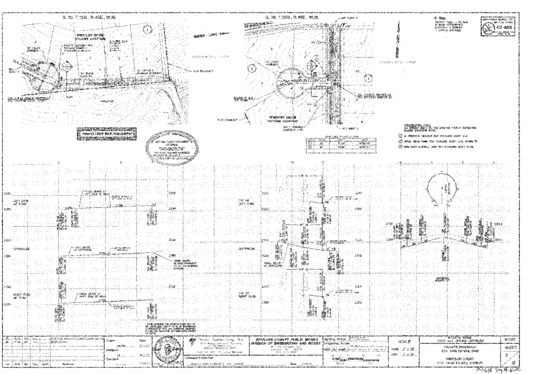
Drawn: Date:
Reviewed: Date:
Checked: Date:
Designer's Approval: Date:

No.	Date	By	Chk	Appr.	Revision

P-[illegible] [illegible]


S. 29, T.25N., R.45E., W.M.
S. 30, T.25N., R.45E., W.M.
WINDSOR RIDGE SECOND ADDITION
WINDSOR DRIVE
"AS-BUILTS"
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
WINDSOR DRIVE
ROAD
SHEET
3
15


S. 20, T.25N., R.45E., W.M.
WINDSOR RIDGE SECOND ADDITION
GALAXY DRIVE
GALAXY COURT
CENTERLINE
Taylor Engineering, Inc.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
ROAD
SHEET
GALAXY DRIVE
GALAXY COURT



S. 30, T.25N., R.45E., W.M.
S. 30, T.25N., R.45E., W.M.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
PRIVATE DRIVEWAY
ROAD
SHEET
5
15

S. 30, T.25N., R.45E., W.M.

S. 30, T.25N., R.45E., W.M.

WINDSOR SQUARE FIRST ADDITION

RIDGE COURT

WINDSOR SQUARE FIRST ADDITION

AS-BUILTS

Tetra Tech, Inc.

SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS

SCALE

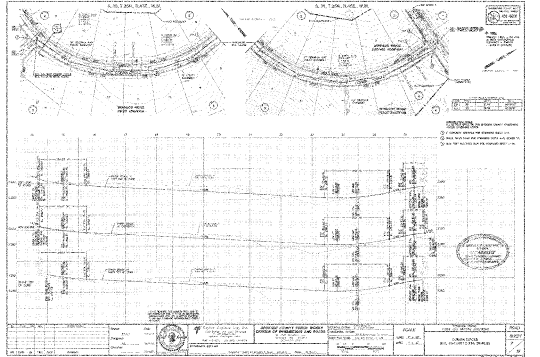
WINDSOR SQUARE
FIRST AND SECOND ADDITIONS

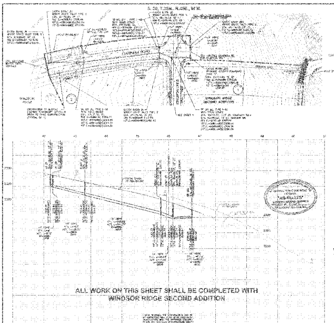
CORRIN CIRCLE
STA. 11+13.85 TO STA. 14+16.28

RIDGE COURT
STA. 14+50 TO STA. 11+61.79

PLAN

SHEET 9 / 15


S. 30, T.26N., R.45E., W.M.
S. 30, T.26N., R.45E., W.M.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
ROAD
SHEET
7



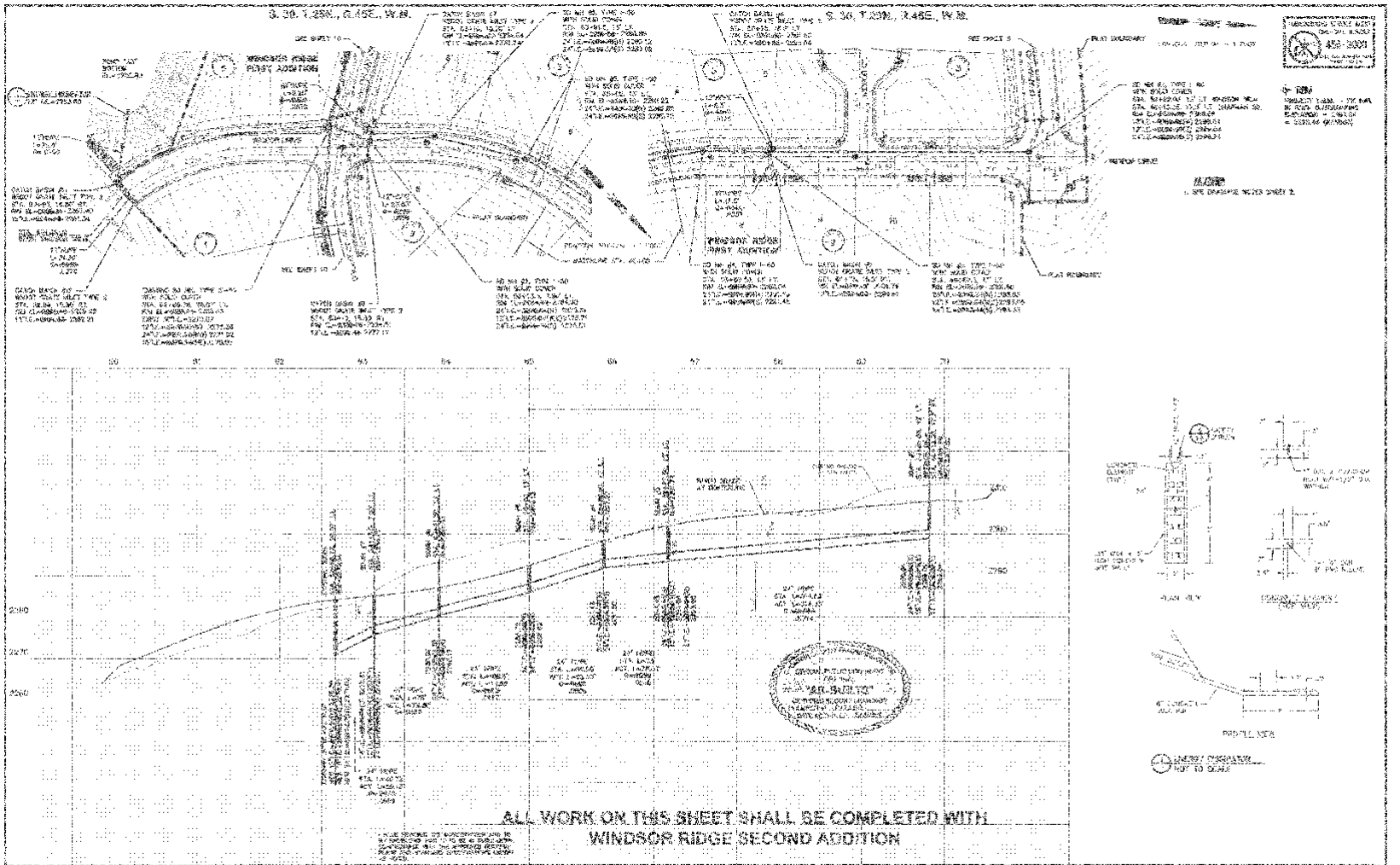
Taylor Engineering, Inc.

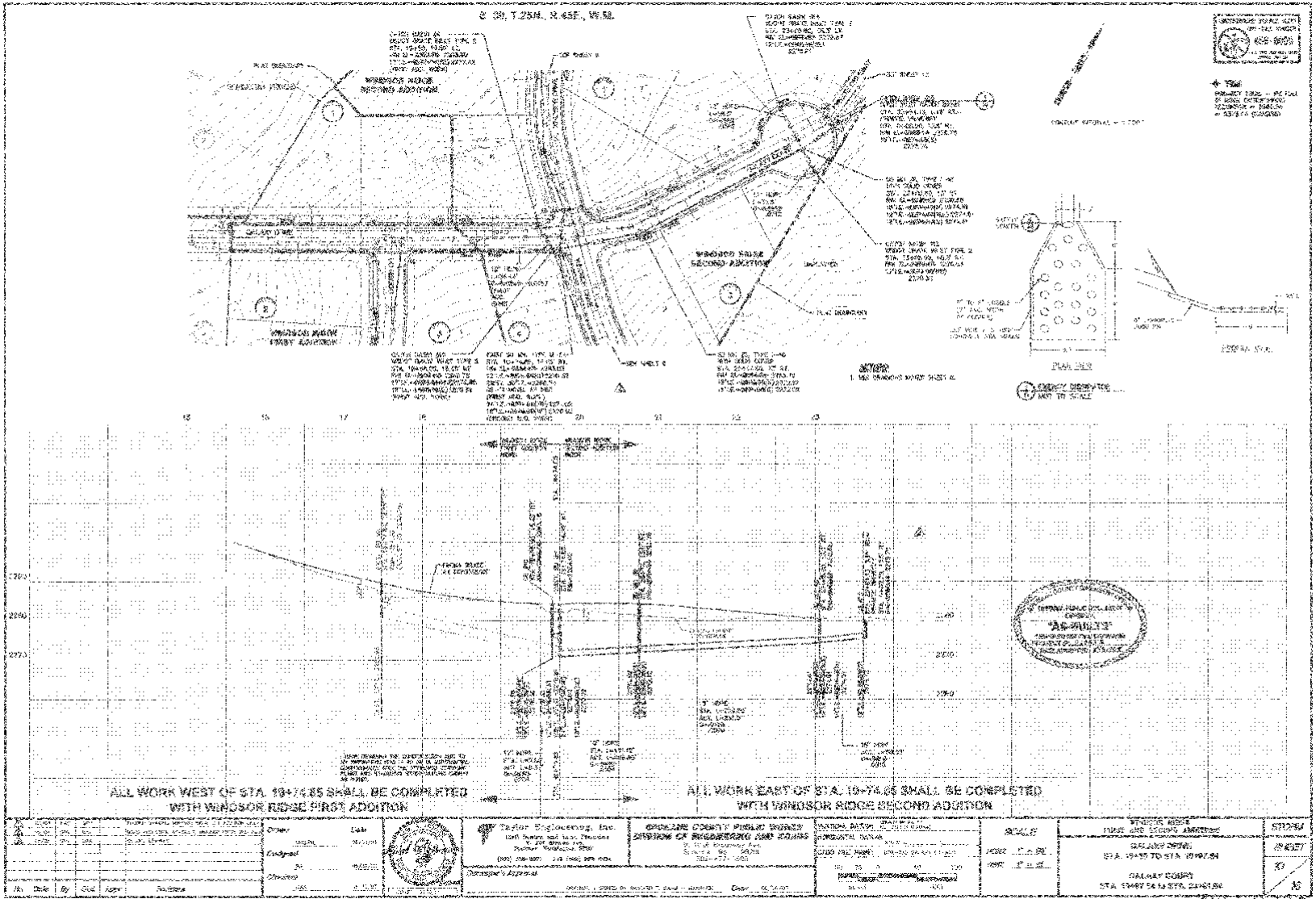
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS

SCALE

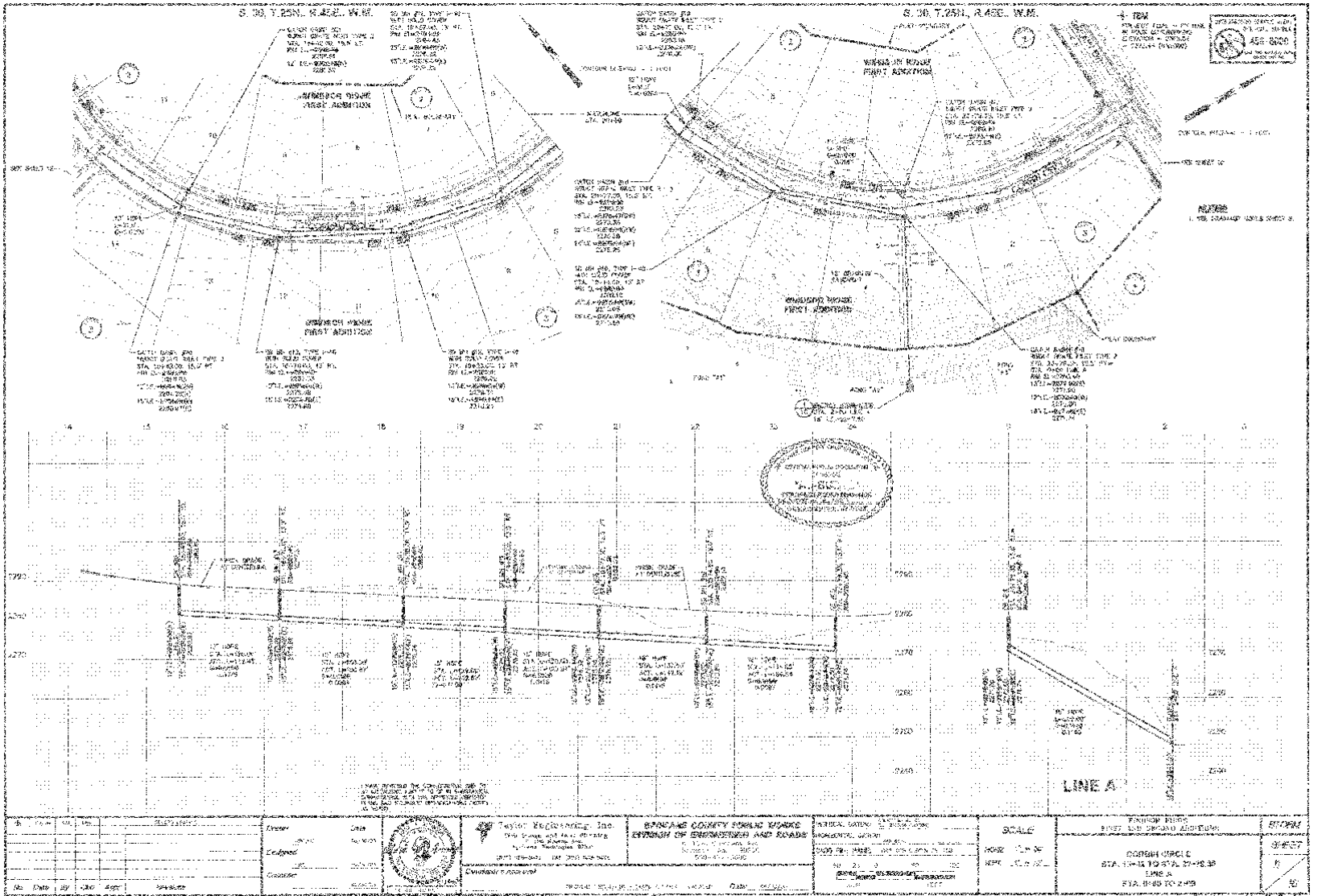
CHAPMAN ROAD

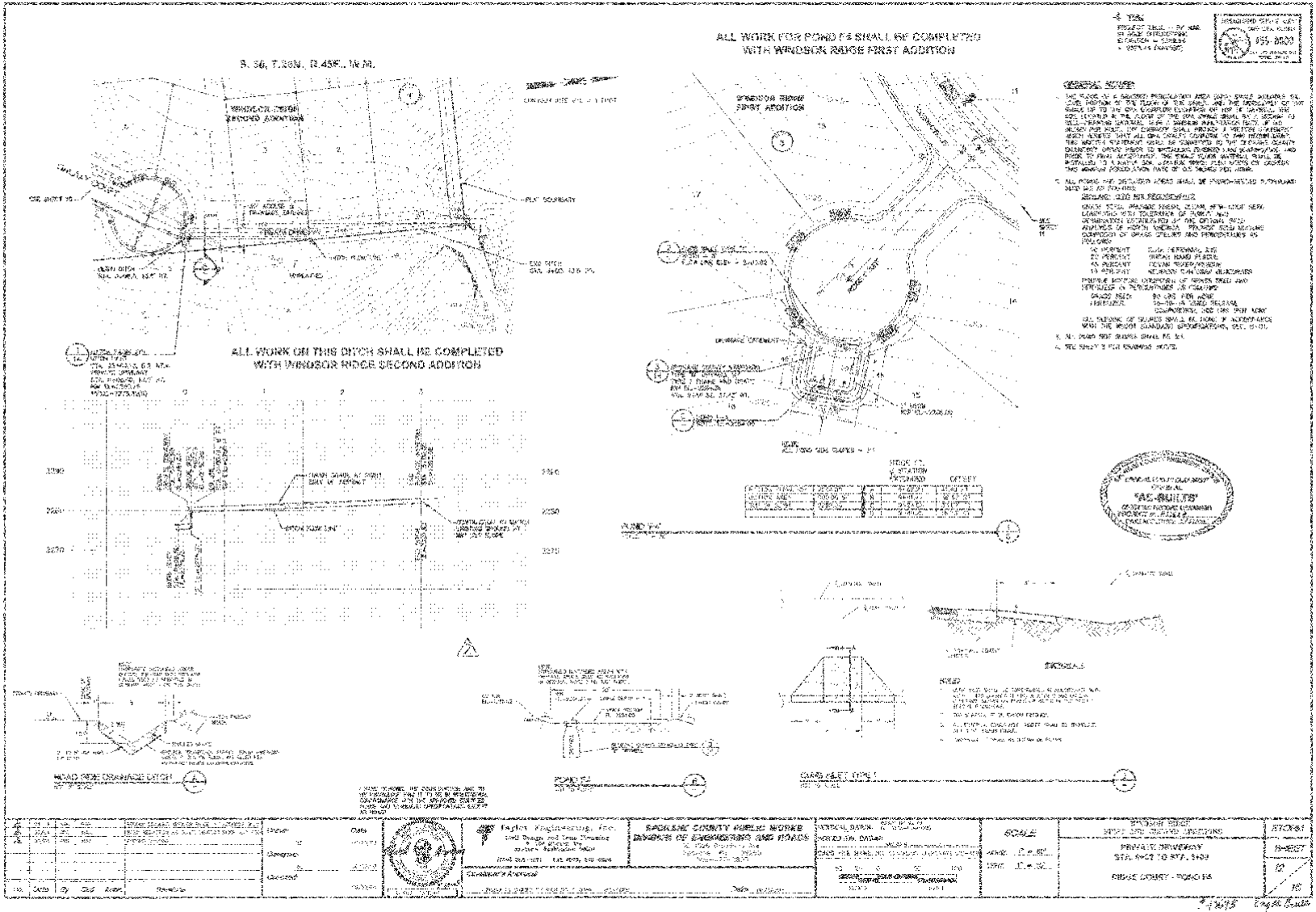
SHEET 8


S. 30, T.25N., R.45E., W.M.
S. 30, T.25N., R.46E., W.M.
WINDSOR RIDGE FIRST ADDITION
WINDSOR DRIVE
PROFILE VIEW
ALL WORK ON THIS SHEET SHALL BE COMPLETED WITH
WINDSOR RIDGE SECOND ADDITION
Taylor Engineering, Inc.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS
WINDSOR DRIVE
STA. 52+00.76 TO STA. 56+62.83
STORM
SHEET
9
16

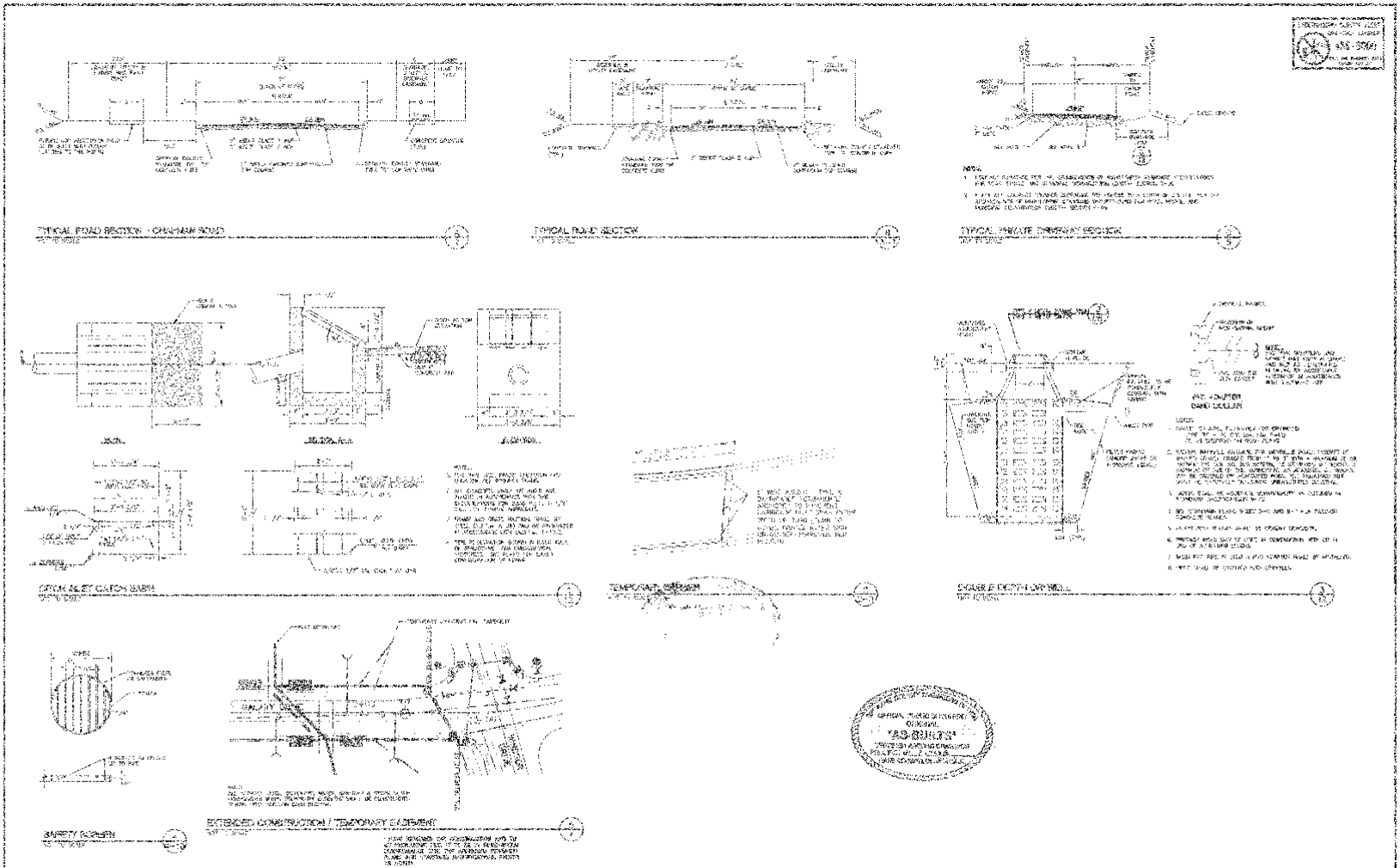


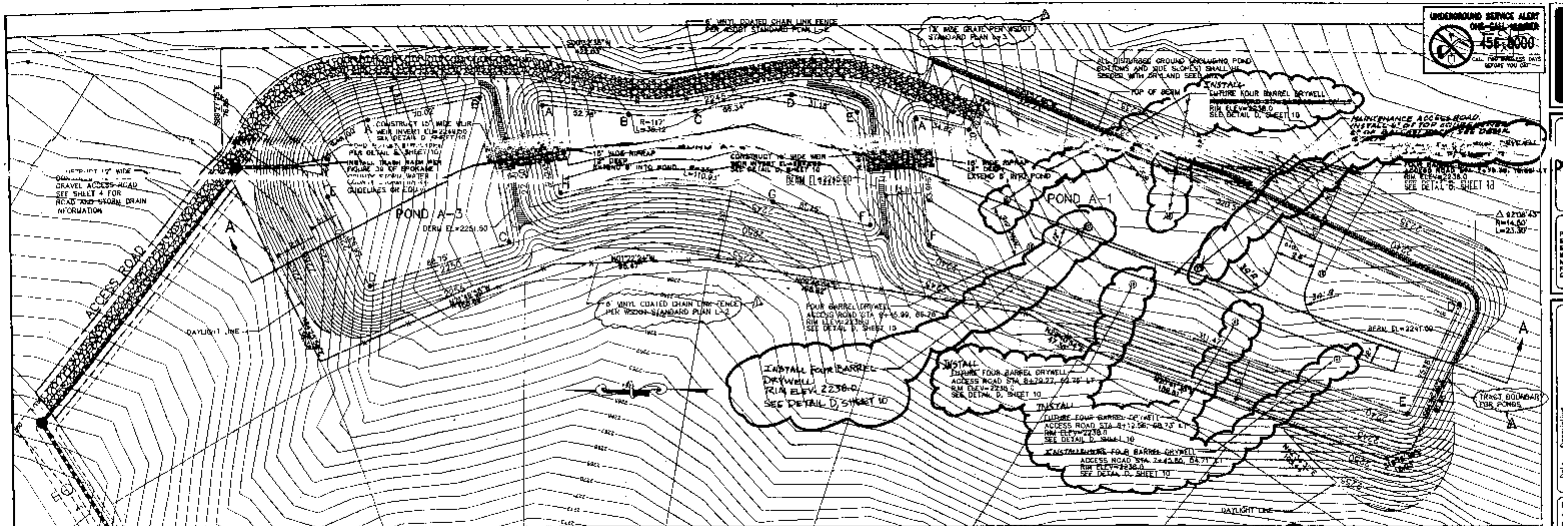
WINDSOR RIDGE SECOND ADDITION
WINDSOR RIDGE FIRST ADDITION
WINDSOR RIDGE SECOND ADDITION
PLAN VIEW
ALL WORK WEST OF STA. 19+74.85 SHALL BE COMPLETED WITH WINDSOR RIDGE FIRST ADDITION
ALL WORK EAST OF STA. 19+74.85 SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION
Taylor Engineering, Inc.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
WINDSOR RIDGE
FIRST AND SECOND ADDITIONS
GALLERY DRIVE
STA. 19+55 TO STA. 19+97.84
GALLERY COURT
STA. 19+97.84 TO STA. 20+61.84
STORM


S. 30, T.25N., R.45E., W.M.
S. 30, T.25N., R.45E., W.M.
LINE A
Taylor Engineering, Inc.
STEVENS COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
CORBIN CIRCLE
LINE A
STORM
SHEET



ALL WORK FOR POND F4 SHALL BE COMPLETED WITH WINDSOR RIDGE FIRST ADDITION
ALL WORK ON THIS DITCH SHALL BE COMPLETED WITH WINDSOR RIDGE SECOND ADDITION
WINDSOR RIDGE SECOND ADDITION
WINDSOR RIDGE FIRST ADDITION
GENERAL NOTES
"AS-BUILTS"
HOAD SIDE DRAINAGE DITCH
POND F4
CARD INLET TYPE 1
Taylor Engineering, Inc.
SACRAMENTO COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
PRIVATE DRIVEWAY
RIDGE COURT - POND F4
STORM


TYPICAL ROAD SECTION - CHAPMAN ROAD
TYPICAL ROAD SECTION
TYPICAL PRIVATE DRIVEWAY SECTION
DITCH INLET CATCH BASIN
TEMPORARY BARRIER
SHALLOW DEPTH DRY WELL
SAFETY BORDEN
EXTENDED CONSTRUCTION / TEMPORARY EASEMENT
"AS-BUILTS"
Taylor Engineering, Inc.
SPOKANE COUNTY PUBLIC WORKS
DIVISION OF ENGINEERING AND ROADS
SCALE
ROAD AND DRAINAGE DETAILS



POND A-3

SCALE: 1"=30'

POND "A-3"
POND BOTTOM ELEV= 2249.00
POND BOTTOM AREA = 9056.0 S.F.
PERIMETER= 384 L.F.
TOP OF BERM= 2261.50
REQUIRED 208' VOLUME = 3876 C.F.
208' PROVIDED = 5144 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	13+83.55	30.48
B	13+38.53	30.48
C	13+18.94	115.50
D	13+18.94	115.50
E	13+39.75	81.48

POND A-2

SCALE: 1"=30'

POND "A-2"
POND BOTTOM ELEV= 2243.00
POND BOTTOM AREA = 11,611.0 S.F.
PERIMETER= 528 L.F.
TOP OF BERM= 2245.50
REQUIRED 208' VOLUME = 4641 C.F.
208' PROVIDED = 6050 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	12+35.[illegible]	44.88 LT
B	12+35.84	15.00 LT
C	11+44.84	15.00 LT
D	11+44.84	44.88 LT
E	11+51.55	44.88 LT
F	11+51.55	86.48 LT
G	11+76.73	86.48 LT
H	11+76.73	44.88 LT
I	11+83.55	44.88 LT

POND A-1

SCALE: 1"=30'

POND "A-1"
POND BOTTOM ELEV= 2237.50
POND BOTTOM AREA = 20,865 S.F.
PERIMETER= 846.50 L.F.
TOP OF BERM= 2241.00
REQUIRED 208' VOLUME = 10,431 C.F.
208' PROVIDED = 13,487 C.F.

POND BOTTOM LOCATION TABLE (ACCESS ROAD STATION & OFFSET)

POINT	STATION	OFFSET
A	10+44.84	17.00 LT
B	10+44.84	11.88 LT
C	10+10.84	11.88 LT
D	10+10.84	17.00 LT
E	9+95.53	6.57 RT
F	9+95.53	6.57 RT
G	10+03.95	80.18 RT
H	10+03.95	80.18 RT

COPY

COPY

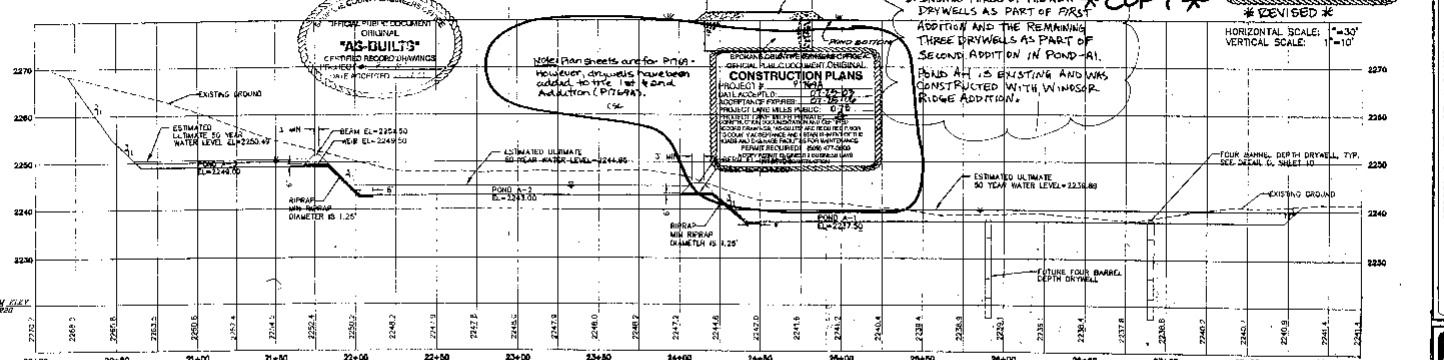
Note:
1. INSTALL THREE OF THE NEW DRYWELLS AS PART OF FIRST ADDITION AND THE REMAINING THREE DRYWELLS AS PART OF SECOND ADDITION IN POND-A1.
POND A1 IS EXISTING AND WAS CONSTRUCTED WITH WINDSOR RIDGE ADDITION.

REVISED

OFFICIAL PUBLIC DOCUMENT ORIGINAL "AS-BUILTS" CERTIFIED RECORD DRAWINGS

Note: Plan sheets are for P1769 - however, drywells have been added to the 1st and 2nd addition (P1769A).

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT #: P1769A
DATE ADOPTED: 07-16-04
ACCEPTANCE EXPIRES: 07-16-06
PROJECT LANE MILES PUBLIC: 0.78
PROJECT LANE MILES PRIVATE: 0.00
CONSTRUCTION DOCUMENTATION AND CERTIFIED RECORD DRAWINGS MUST BE SUBMITTED PRIOR TO COUNTY ACCEPTANCE AND STAMPING ON THE ABOVE MENTIONED DATE FOR MAIN TRANSITE.
PERMIT REQUIRED: (SOM AFT 3000)
NOT A PERMIT UNDERWRITE BEGINNING DATE PRIOR TO CONSTRUCTION



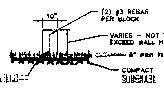
SECTION A-A

NOTE: SECTION STATIONING FOR SLIP MATCH ACCESS ROAD STATIONING SHOWN IN PLAN VIEW ABOVE

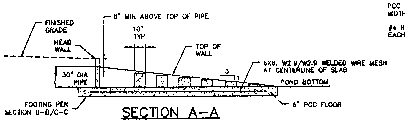
DEVELOPER'S APPROVAL — DATE

COUNTY DATUM
PROJECT T.B.M. = P.K. NAIL IN ROCK OUTCROPPING ELEV=2358.64 (SEE COVER SHEET FOR LOCATION)

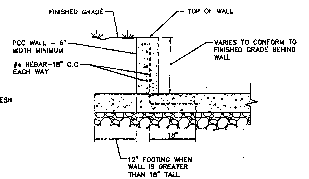
P 1769B



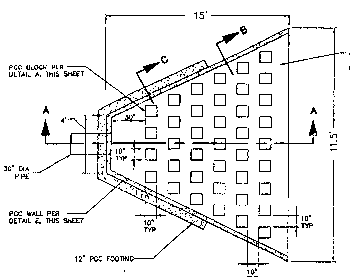
PCC BLOCK DETAIL (A)
NOT TO SCALE



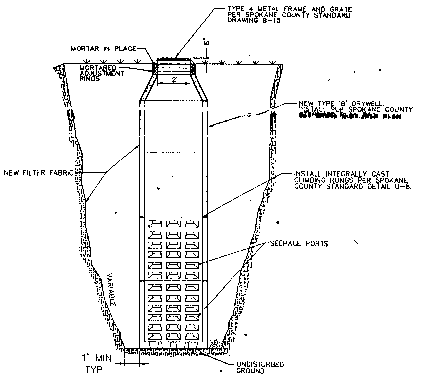
SECTION A-A



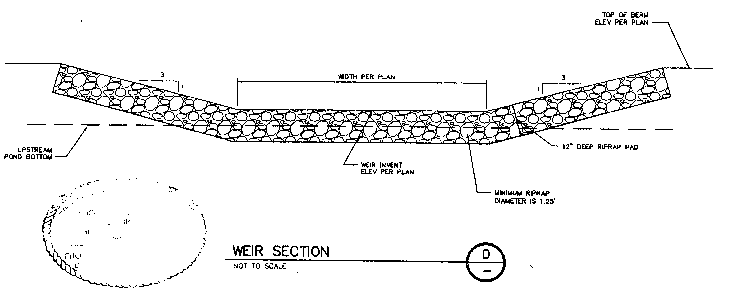
SECTION B-B/C-C



ENERGY DISSIPATER OUTLET PLAN DETAIL (B)
NOT TO SCALE



FOUR BARREL DRYWELL (C)
SCALE 1"=10'



WEIR SECTION (D)
NOT TO SCALE

"AS-BUILTS"

Note: Plan sheets are for PD69 - however drywells have been added for 1st & 2nd Addition (PD69A) ce

COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # PD69A
DATE ACCEPTED: 07-25-03
ACCEPTANCE EXPIRES: 07-25-04
PROJECT LANE MILES PUBLIC: 0.18
PROJECT LANE MILES PRIVATE: 0
CONDITIONS:
PERMIT REQUIRED: (509) 477-3600

COPY

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT ORIGINAL
CONSTRUCTION PLANS
PROJECT # PD69
DATE ACCEPTED: 09-26-97
ACCEPTANCE EXPIRES: 09-26-98
PROJECT LANE MILES PUBLIC: 0.18
PROJECT LANE MILES PRIVATE: 0.00
CONDITIONS:
PERMIT REQUIRED: (509) 477-3600

DEVELOPER'S APPROVAL DATE

P-17498 Orig As Built

UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER
456-8000
CALL TWO WORKING DAYS BEFORE YOU DIG

Clearwater Engineering
Land Development Consultants
Water Resources
Land Surveying
107 N. Tro Street, Suite 100
Moses Lake, WA 98837
(509) 766-9960
FAX 766-9964

DATE: 01/30/03

PREPARED UNDER THE DIRECT SUPERVISION OF SCOTT A. BINAS, P.E. WASHINGTON REGISTRATION NO. 29905 FOR AND ON BEHALF OF CLC ASSOCIATES, INC.

Date	Description
08/14/01	COUNTY SUBMITTAL
08/30/01	COUNTY RESUBMITTAL
09/24/01	ISSUED
09/24/01	ISSUED FOR PERMITTING

Project Number: 96-320
CLC Job Number: 96-320
Drawn By: JCR
Designed By: SAB
Checked By: SAB

STREET CONSTRUCTION PLANS
WINDSOR RIDGE
POND DETAILS
SPOKANE COUNTY, WASHINGTON

SHEET 16 / 16

Sheet Title
DRAINAGE DETAILS
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10 OF 10
Sheet Number