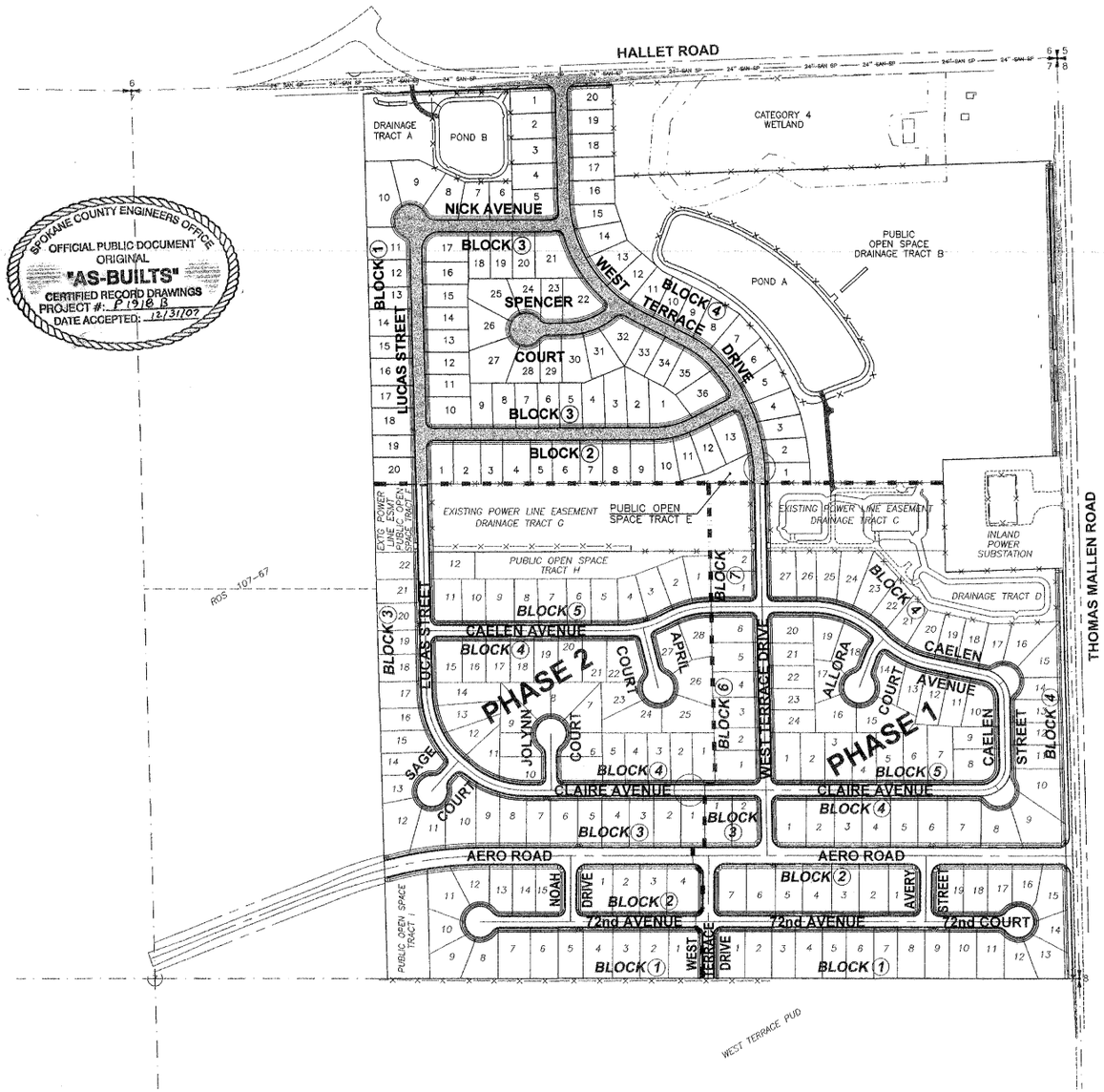
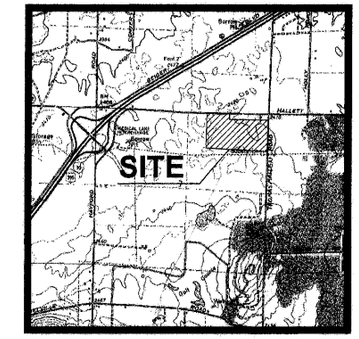
BIG SKY - PHASE 3

LOCATED IN THE N.E. ¼, SEC. 7, T. 24 N., R. 42 E., W.M.

RECORD DRAWING





VICINITY MAP
NOT TO SCALE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

GENERAL NOTES

OWNER: ***Aho Construction***
5512 NE 109th court, Suite 101
Vancouver, WA 98662
(360)254-0493 (Ph)
(360)254-6998 (Fax)

DEVELOPER: ***Same As Owner***

Boundary and topographic information prepared by Minister & Glaeser Surveying, Inc., 2003.

Temporary benchmark is a WSDOT 3" brass disk in monument case located in the intersection of Geiger Road and Hayford Road. Elevation is 2412.29, NAVD 88 Datum.

Locations of existing utilities shown in plans are approximate. The contractor shall be responsible for locating all underground utilities prior to construction of road and drainage facilities.

A minimum of two full business days prior to beginning construction, the Contractor shall call 1-509-456-8000 (Utilities Underground Location Center) for location mark-up of existing utilities.

Any archaeological findings shall be reported to the County inspector and any state agency required by Washington State law.

Site grading, paving, and storm sewer construction, materials and workmanship shall conform to the "2004 Standard Specifications for Road, Bridge and Municipal Construction" prepared by WSDOT/APWA, and shall conform with the "SPOKANE COUNTY STANDARDS FOR ROAD AND SEWER CONSTRUCTION" 2001, and as amended.

Public sanitary sewer and water system construction, materials, and workmanship shall conform to the "2004 Standard Specifications for Road, Bridge & Municipal Construction" prepared by the WSDOT/APWA, and the standards and practices of the City of Spokane Department of Engineering Services.

Erosion, sediment, and air quality control shall comply with Spokane County air quality control ordinances, and the notes and details on these plans.

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.

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 Engineer's Office.

PROJECT APPLICANT

AHO CONSTRUCTION _____ Date _____

SHEET INDEX

1. COVER SHEET
2. GENERAL NOTES
3. EROSION CONTROL PLAN
4. EROSION CONTROL DETAILS
5. GRADING PLAN
6. MASTER UTILITY PLAN
7. LUCAS STREET STORM DRAINAGE & STREET PLAN & PROFILE
8. NICK AVENUE STORM DRAINAGE & STREET PLAN & PROFILE
9. SPENCER COURT STORM DRAINAGE & STREET PLAN & PROFILE
10. ASHER AVENUE STORM DRAINAGE & STREET PLAN & PROFILE
11. WEST TERRACE DRIVE STORM DRAINAGE & STREET PLAN & PROFILE
12. WEST TERRACE DRIVE STORM DRAINAGE & STREET PLAN & PROFILE
13. HALLET ROAD STORM DRAINAGE & STREET PLAN & PROFILE
14. THOMAS MALLEN ROAD STORM DRAINAGE & STREET PLAN & PROFILE
15. STORM ESMT 1, 2 & 3 PLAN & PROFILE
16. STORM ESMT 4, 5 & 6 PLAN & PROFILE
17. SPENCER COURT SANITARY SEWER PLAN & PROFILE
18. ASHER AVENUE SANITARY SEWER PLAN & PROFILE
19. LUCAS STREET WATER PLAN & PROFILE
20. NICK AVENUE WATER PLAN & PROFILE
21. SPENCER COURT WATER PLAN & PROFILE
22. ASHER AVENUE WATER PLAN & PROFILE
23. WEST TERRACE DRIVE WATER PLAN & PROFILE
24. STORM FACILITY PLAN
25. STORM FACILITY PLAN
26. STORM FACILITY DETAILS
27. MISCELLANEOUS DETAILS
28. STREET DESIGNS DETAILS
29. SIGNING, STRIPING & ILLUMINATION PLAN

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Sewer Construction and the Spokane County Guidelines for Storm Water Management. The Spokane County Engineer has approved all design deviations. I approve these plans for construction.

HOPPER DENNIS JELLISON PLLC
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-3927
(360) 695-3488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

1/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: COVER SHEET

TYPE OF IMPROVEMENT:

CITY PROJECT NUMBER	CITY PLAN NUMBER
2005040 2005041	COVER 7-24-42

EFN:

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

CALL BEFORE YOU DIG 456-8000

P1918B Eng As Built

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. - U.S.N.	FROM	TO
11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING						

REVISIONS | RECORD

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.

GRADE ESTABLISHMENTS

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV IS 2408.49' NAVD28 DATUM

NAVD88 ELEV. 2412.28
CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN/PROFILE 1"=200'
VERTICAL PROFILE ONLY N/A

NAVD88 DATUM | SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	CTS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROTO2002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p1.dwg, Layout1, 12/17/2007 9:37:08 AM, 1:1

RECORD DRAWING

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

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PAUL J. NELSON
STATE OF WASHINGTON
34-37224
REGISTERED
PROFESSIONAL ENGINEER
12-17-07

EXPIRES 11/24/09

SITE GRADING

The portion of the site slated for construction under these construction documents is to be mowed and stripped to remove all grass, roots, organic soil, and construction fill debris prior to the beginning of any grading operations. Strippings shall be stockpiled for later use as final lift ground cover.

Following stripping and grubbing, the exposed soils shall be proof rolled to reveal weak, organic, or other unsuitable soils. Unsuitable soils shall be excavated to firm ground.

Exposed subgrade soils on areas to receive structural fill should be scarified to a depth of 12" and be recompacted with structural fill.

Fill areas shall be structurally filled with surplus suitable materials from cut areas or suitable imported materials. Select materials shall be placed in fill areas in lifts not to exceed 8". Each lift shall be compacted to 95% of the maximum dry density. Fill materials should be free of organics, and rock fragments in excess of 6" in dimension.

Compaction testing shall be done in accordance with the AASHTO T-99.

At the end of the grading operation, the stockpiled strippings shall be distributed on the landscape areas in a compacted depth not to exceed 12".

All deleterious materials generated during site grading and strippings not utilized in the final ground cover operation shall be hauled from Phase 3 to the public open space in Drainage Tract B.

All surfaces shall be graded smooth and free of irregularities that might accumulate surface water.

Maximum slopes on site at the completion of grading shall not exceed 2 horizontal: 1 vertical (50%).

The contractor shall employ a licensed surveyor to verify that the cross-gutter forms are at the correct plane grade prior to concrete placement. The cross-gutters shall be constructed prior to paving, and the pavement shall then match the edge of concrete gutter.

STORM SEWERS

Materials for storm sewer inlet laterals and pipe shall be Corrugated Polyethylene Storm Sewer Pipe or approved equal. All storm sewer shall be low pressure tested to meet the requirements of section 7-04.3(1) E.

Trench excavation shall meet the requirements of Section 7-08.3(1).

Storm sewer pipe bedding and backfill shall meet the requirements of Section 7-08.3(3). Backfill material shall be compacted to 95% of the maximum relative density.

Trench backfill shall meet the requirements of Section 7-08.3(3).

All roof water shall be routed and splash blocked to landscape areas.

SANITARY SEWER CONSTRUCTION NOTES

Sanitary sewer laterals shall be 4" in size, installed at a minimum slope of 0.02 ft/ft unless otherwise specified on the plan.

Materials for sanitary sewer pipe shall be Solid Wall PVC Sanitary Sewer Pipe unless otherwise specified.

Prior to backfilling sewer service lateral ends, the Contractor shall notify the project land surveyor in a timely manner so that construction "As-Built" information may be gathered. If the Contractor backfills prior to the gathering of required information, the Contractor shall be required to expose the ends of service laterals and sewer main cleanouts.

Backfill for sanitary sewer pipe shall be as required by the City of Spokane utility permit.

Service laterals shall be extended to 16' behind the R/W line and the contractor shall mark lateral ends with a 10' - 2" x 4" board, tracing wire and mark the depth of the lateral on the 2x4 board.

WATER SYSTEM CONSTRUCTION NOTES

Pipe backfill for water pipe shall be as required by the City of Spokane Standards.

Contractor to maintain a minimum 10' horizontal and 18" vertical separation between all existing and proposed water and sewer lines.

City forces shall make all connections to existing mains. Contractor to pay all costs.

All utility trench bedding shall be in conformance with City of Spokane Standard Plan B-18C.

All valves, fittings, etc., shall be ductile iron. Water pipe shall be ductile iron, Class 50.

Deflections at pipe joints shall not exceed 75% of maximum permissible deflection per listed deflection table on sheet 27 or manufacturer's recommended deflection, which ever is less.

Contractor to coordinate with City of Spokane Water and Hydroelectric Services to shut off necessary water lines for construction and maintenance service as necessary.
Install 2-inch blowoff assembly at end of each waterline per WSDOT Plan B-21 for flushing and testing.

Backfill to be installed per WSDOT Standard Specifications. Lifts to be 8 inches maximum and compacted in accordance with City of Spokane Standard Plan B-18D. Provide marking tape at mid-depth of backfill.

MONUMENTATION

The contractor shall coordinate with the surveyor so that centerline monuments are set as required by Spokane County. Monuments shall be set at curvature points and street intersections and shall conform to Spokane County Standard Plan A-14.

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p2.dwg, Layout1, 12/17/2007 9:37:41 AM, 1:1

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING									
REVISIONS				RECORD							GRADE ESTABLISHMENTS					

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NAVD88 ELEV. 2412.28
CBW NO.

NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN/PROFILE N/A
VERTICAL PROFILE ONLY N/A

SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY:	DATES
DRAWN:	RAD	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

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FAX (360) 695-8767
Internet: www.hdjengineers.com

2/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: GENERAL NOTES

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

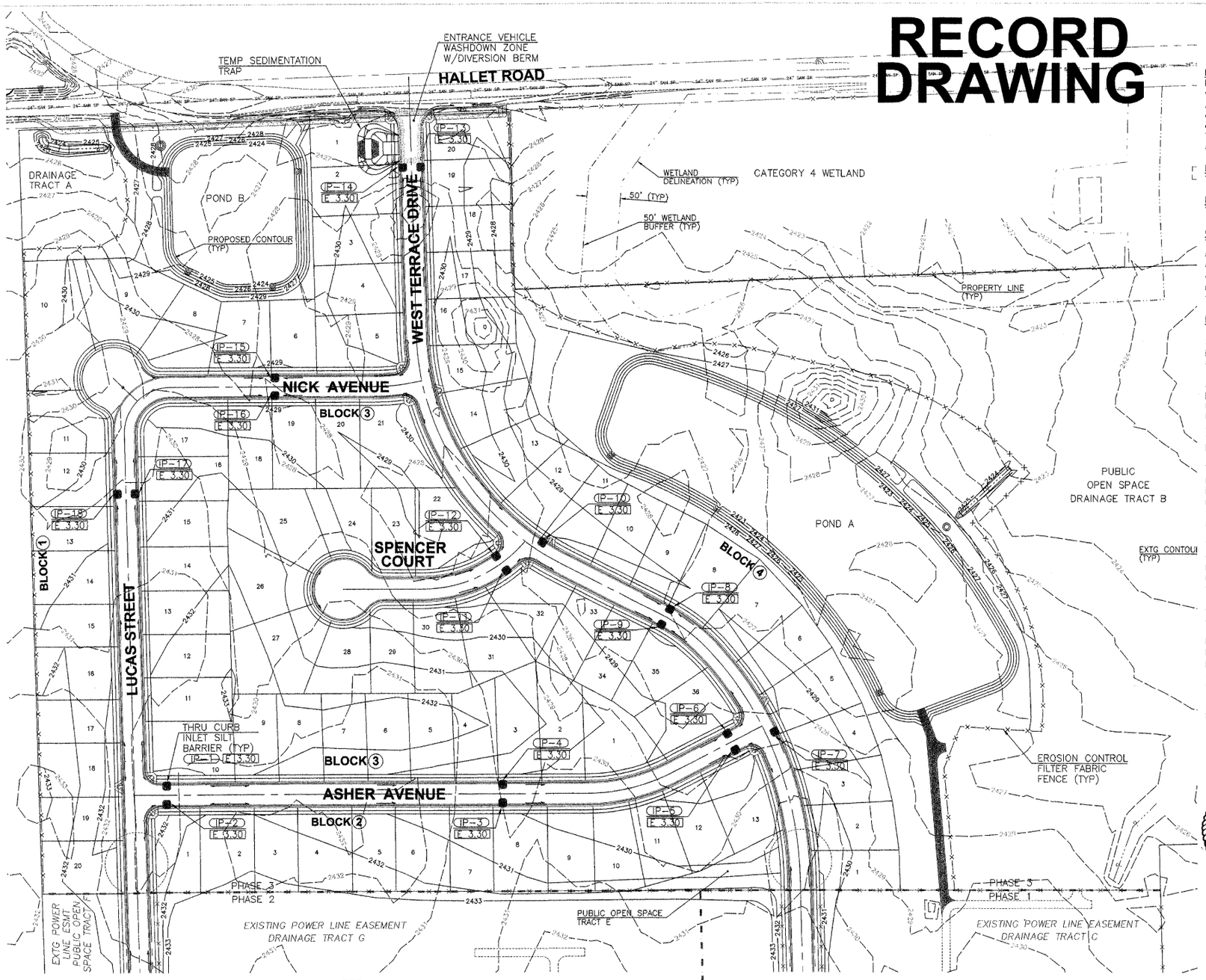
TYPE OF IMPROVEMENT:

CITY PROJECT NUMBER	CITY PLAN NUMBER
2005040 2005041	DETAIL 7–24–42

EFN:

CALL BEFORE YOU DIG 456-8000 P1918B Eng As Built

RECORD DRAWING



PROJECT DESCRIPTION:
Development of 110 acre site into 257 single family residential lots, with paved roads & designated open spaces. A 100 foot wide Avista utility easement crosses through the site in an east/west orientation, connecting to an Inland Power substation located at the east side of the project site adjacent to Thomas Mallen Road. There is a category 4 wetland adjacent to the NE portion of the site along Hallet Road.

EXISTING VEGETAION:
The majority of the site is covered in oats.

EXISTING WATER BODIES:
There are currently no existing water bodies on the site.

ON-SITE SOILS:
The top layer consists of a till (soil) zone of organic silt with an average thickness of 15 inches. Over the majority of the site, the (till) zone is under lain by a layer of medium stiff to hard silt to silty clay that ranged from 1 foot to over 10 feet. A 1 to 3 foot thick, medium dense to dense gravel layer is commonly present above 5 feet below ground surface over most of the site.

DESCRIPTION OF ESC MEASURES:

Approval of the ESC plan does not constitute approval of any of the proposed road, storm drainage, grading or utility design elements shown on the ESC plan.

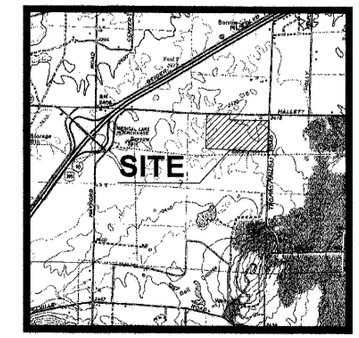
An Erosion/Sedimentation Control (ESC) plan is required for this project. Implementation of the ESC plan, and construction, maintenance, and upgrading of the ESC facilities are the responsibility of the Developer until all construction is completed and accepted by Spokane County, or until vegetation is established throughout the site, and accepted by Spokane County, whichever is later.

The erosion/sedimentation control measures shown are the minimum requirements for the anticipated site conditions. The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the contractor until all construction is completed and approved, and vegetation is established.

The ESC facilities show on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to ensure that sediment and sediment laden water do not enter the drainage system, roadways, or violate applicable water and air quality standards.

Care should be taken to not disturb more area than needed for construction requirements. All disturbed soils surfaces are to be stabilized. Stabilization of disturbed soil areas will consist of: hydroseeding or handseeding, mulching, placing of erosion control blankets or plastic in landscaping soil areas. It will also consist of paving and concrete work in driving, parking and sidewalk areas. All seeded areas are to be fertilized, watered and maintained to enhance the immediate regrowth of vegetation.

Geotextile fabric is to be placed on the rims of drywells, catch basins and inlets until such time the vegetation on the site is established and the threat of sediment deposition into the drainage system is mitigated.



VICINITY MAP
NOT TO SCALE

Material stockpiles are to be protected from precipitation by the following means:

Temporary - cover piles with tarps or plastic sheeting weighted with tires, lumber or concrete blocks.

Permanent - cover piles with tarps or plastic, or reseed. Perimeter areas around piles are to be surrounded with erosion control filter fabric fences until soils surface is stabilized with reseeding.

The ESC facilities shall be inspected daily by the contractor and maintained as necessary to ensure continuous functioning. Inspection and maintenance shall include, but not be limited to:

Verifying that all areas are graded such that all runoff is directed to a sedimentation trap facility before discharging to surface.

Removal of trapped silts at silt barriers, silt traps, or points of accumulation.

Additional protective measures, as required, due to job site conditions.

The contractor/developer is responsible for installing Rock Construction Entries at any and all locations used to enter or exit the project site.

Stabilized construction entrances installed at the beginning of construction and maintained for the duration of the project. Monitoring of vehicles leaving the site to minimize transmission of loose soils to the public roadways.

If sediment is transported onto a road surface, the surface is to be cleaned thoroughly at the end of each day.

The ESC facilities on inactive sites shall be inspected and maintained a minimum of once a month or within the 24 hours following a storm event.

At no time shall more than one foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.

This sedimentation and erosion control plan is intended to be utilized as a guide to control the transportation of loose soils from the property that cause water quality and nuisance problems outside of the construction area.

Depending upon the Contractor's construction practices, some portions of the proposed erosion control plan may be varied according to the job site condition. All changes to the plan must be reviewed and approved by the Engineer prior to adjustment.

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
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PROJECT APPLICANT	
AHO CONSTRUCTION	Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, CERTIFICATE NUMBER 37228
12-17-07
EXPIRES 11/24/09

PROPERTY OWNER:
Aho Construction
5512 NE 109th Court, Suite 101
Vancouver, WA 98662
(360)254-0493 (Ph)
(360)254-6998 (Fax)

PERMIT APPLICANT:
Scott's Excavating
10403 W Westbow Road
Spokane, WA 99224
(509)458-7548 (Ph)
(509)458-7616 (Fax)

PROJECT SITE CONTACT:
Craig Owens
(509)458-7548 (Ph)
(509)458-7616 (Fax)

PROJECT ADDRESS:
Southwest Quadrant of the intersection of Hallet Road & Thomas Mallen Road.

LEGAL DESCRIPTION:
NE 1/4 Section 7, Township 24 North, Range 42 East, W.M.

PLANS PREPARED BY:
Travis G. Johnson, E.I.T.

I, Travis G. Johnson E.I.T. certify that this Erosion Control Plan meets the ESC requirements as listed in Chapter 4.5 of the Guidelines for Storm Water Management of Spokane County Public Works.

HOPPER DENNIS JELLISON P.L.L.C.
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FAX (360) 695-8787
Internet: www.hdjengineers.com

3/29

PROJECT NAME:	BIG SKY – PHASE 3
SHEET LIMITS:	EROSION CONTROL
PROJECT LIMITS:	HALLET ROAD & THOMAS MALLEN ROAD

TYPE OF IMPROVEMENT: CITY PROJECT NUMBER | CITY PLAN NUMBER | EFN:

CALL BEFORE YOU DIG 456-8000 P-1918B Engr As Built

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N. - U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	GRD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING								
REVISIONS				RECORD						GRADE ESTABLISHMENTS					

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CBM NO.
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BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1"=80'
VERTICAL PROFILE ONLY N/A
SCALE

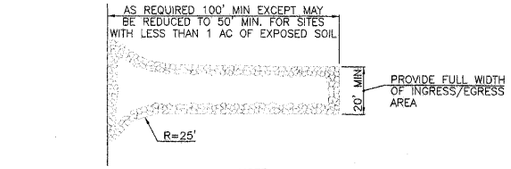
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

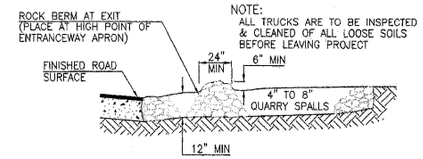
	LAST PROJECT BY	DATES
DRAWN:	RAD	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROT02002.DWG: REV 11/27/2002

L:\205-0647 Big Sky Ph 3\asbuilt street p3.dwg, Layout1, 12/17/2007 9:38:18 AM, 1:1

RECORD DRAWING

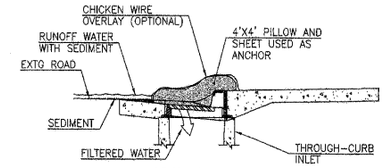




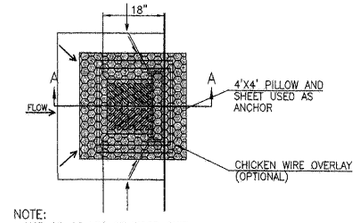
1. EXCAVATE MINIMUM OF 12" OF EXISTING SOILS.
2. PLACE MINIMUM OF 12" OF 3" MINUS CRUSHED ROCK.
3. CONSTRUCT ROCK BERM ALONG TRANSITION POINT TO FINISH ROAD SURFACES, DIVERT RUNOFF TO ONSITE AREA.

ENTRANCEWAY VEHICLE WASHDOWN ZONE W/DIVERSION BERM

E 2.10 CE NTS



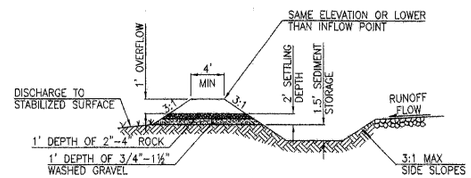
SECTION A–A

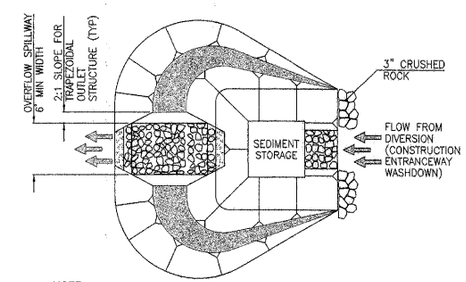


NOTE:
USE 15–16 LBS OF WOOD CHIP FILTER INSIDE POLYESTER FABRIC (ASTM–D191 OR EQUAL) PILLOW.

THRU CURB INLET SILT BARRIER

E 3.30 IP NTS

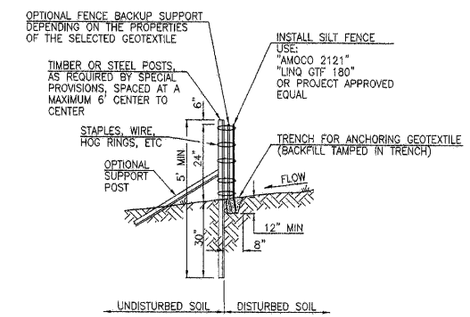




NOTE:
SEDIMENT STORAGE MINIMUM VOLUME SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNTIL PAVING & SOIL STABILIZATION HAVE BEEN ACCOMPLISHED

TEMPORARY SEDIMENTATION TRAP

E 3.35 ST NTS



EROSION CONTROL FILTER FABRIC FENCE

E 3.10 FF NTS

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PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER

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FAX (360) 695-8767
Internet: www.hdjengineers.com

4/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: EROSION CONTROL DETAILS

TYPE OF IMPROVEMENT: DETAILS

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EFN:

CALL BEFORE YOU DIG 456–8000

P-1918B Engrs Bulls

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				RECORD								GRADE ESTABLISHMENTS				
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING									

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV IS 2408.49 NAVD28 DATUM

NAVD88 ELEV. 2412.28

CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE N/A

VERTICAL PROFILE ONLY N/A

SCALE

NAVD88 DATUM

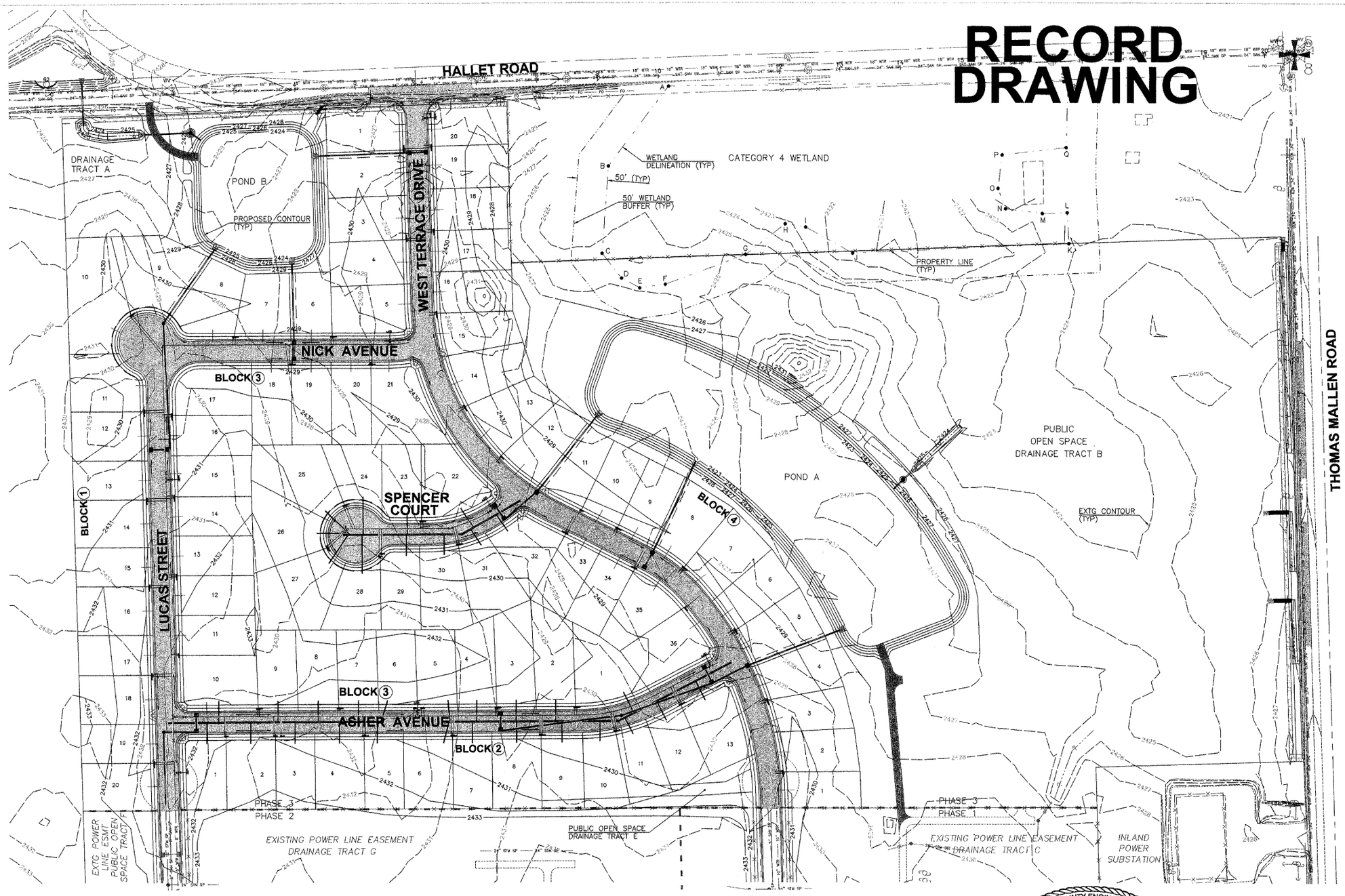
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	RAD	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p4.dwg, Layout1, 12/17/2007 9:38:45 AM, 1:1

RECORD DRAWING



WETLAND LOCATION INFORMATION		
LABEL	STATION	OFFSET
A	10+16.41	17.48' RT
B	9+12.39	146.32' RT
C	8+96.53	289.25' RT
D	9+27.01	331.80' RT
E	9+56.47	349.74' RT
F	9+98.84	345.00' RT
G	11+33.28	299.61' RT
H	12+00.25	250.60' RT
I	12+33.84	257.08' RT
J	13+09.75	303.23' RT
K	16+66.76	300.17' RT
L	16+66.01	248.70' RT
M	16+25.05	248.84' RT
N	15+64.76	238.59' RT
O	15+53.68	205.27' RT
P	15+62.45	150.80' RT
Q	16+68.20	142.44' RT
R	16+74.74	42.27' RT
S	16+68.24	32.57' RT

LINEWORK FROM ADAMS & CLARK INC.
PRELIMINARY PLAN STATIONED FROM HALLET ROAD

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 10" STORM SEWER PIPE	10" STM SP
EXTG 12" STORM SEWER PIPE	12" STM SP
EXTG 24" STORM SEWER PIPE	24" STM SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR
EXTG 18" WATER PIPE	18" WTR
EXTG 24" WATER PIPE	24" WTR
EXTG ELECTRIC LINE	E E
EXTG FIBER OPTIC LINE	FO FO

N. W. E. S.

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37226 — REGISTERED PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1918 B
DATE ACCEPTED: 12/31/07

HOPPER DENNIS JELLISON PLLC
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

5/29

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. - U.S.N.	FROM	TO
				11/16/07				RECORD DRAWING by ALLWEST TESTING AND ENGINEERING	

REVISIONS — RECORD

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.

GRADE ESTABLISHMENTS

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV IS 2408.49' NAVD28 DATUM
NAVD88 ELEV. 2412.28
CBM NO.
NAVD88 DATUM
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1"=80'
VERTICAL PROFILE ONLY N/A
SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	RAD	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROJECT NAME: BIG SKY - PHASE 3
SHEET LIMITS: GRADING PLAN
PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD
TYPE OF IMPROVEMENT:
CITY PROJECT NUMBER
CITY PLAN NUMBER
EFN:

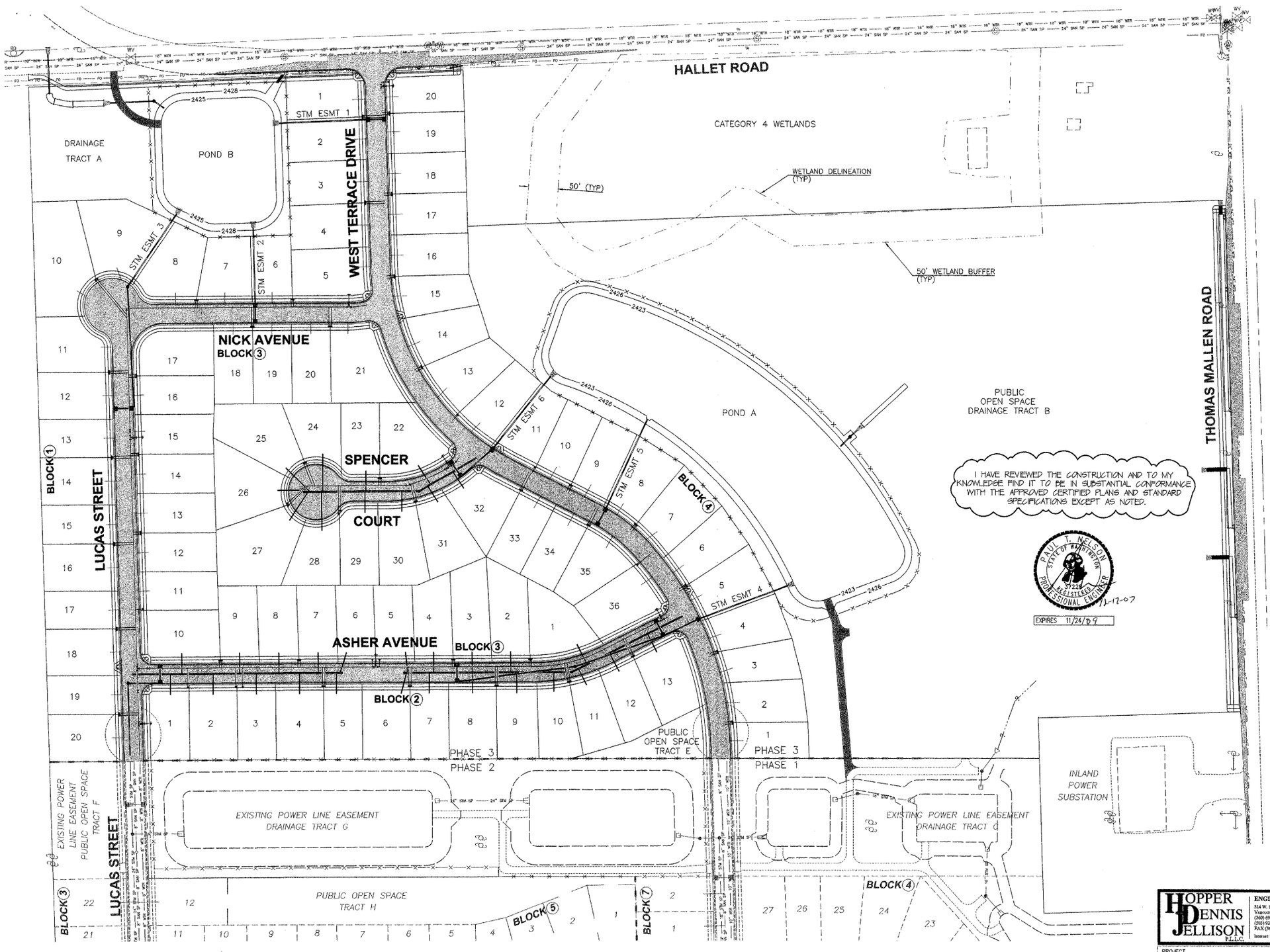
CALL BEFORE YOU DIG 456-8000

P1918B Engr's Builts

PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p5.dwg, Layout1, 12/17/2007 9:39:20 AM, 1:1

RECORD DRAWING



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER

12-12-07

EXPIRES 11/24/09

SYMBOL LEGEND	
PROPOSED CATCH BASIN	
PROPOSED STORM MANHOLE	
PROPOSED SANITARY MANHOLE	
PROPOSED WATER METER	
PROPOSED VALVE	
PROPOSED FIRE HYDRANT	

LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP — 6" SAN SP — 6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP — 8" SAN SP — 8" SAN SP
EXTG 10" STORM SEWER PIPE	10" STM SP — 10" STM SP
EXTG 12" STORM SEWER PIPE	12" STM SP — 12" STM SP
EXTG 18" STORM SEWER PIPE	18" STM SP — 18" STM SP
EXTG 24" STORM SEWER PIPE	24" STM SP — 24" STM SP
EXTG 8" WATER PIPE	8" WTR — 8" WTR — 8" WTR
EXTG 10" WATER PIPE	10" WTR — 10" WTR — 10" WTR
EXTG 18" WATER PIPE	18" WTR — 18" WTR — 18" WTR
EXTG 24" WATER PIPE	24" WTR — 24" WTN — 24" WTN
EXTG FIBER OPTIC LINE	FO — FO — FO — FO — FO
PROPOSED SANITARY SEWER PIPE	
PROPOSED SANITARY LATERAL	
PROPOSED STORM PIPE	
PROPOSED WATER PIPE	
PROPOSED WATER LATERAL	

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4085
FAX (360) 695-8767
Internet: www.hdjengineers.com

6/29

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				RECORD								GRADE ESTABLISHMENTS				

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV = 2408.49' NAVD28 DATUM

NAVD88 ELEV. 2412.28

CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

NAVD88 DATUM

HORIZONTAL PLAN&PROFILE 1" = 60'

VERTICAL PROFILE ONLY N/A

SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	RAD	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: MASTER UTILITY PLAN

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

TYPE OF IMPROVEMENT:

CITY PROJECT NUMBER	CITY PLAN NUMBER
2005040 2005041	DETAIL 7-24-42

EFN:

CALL BEFORE YOU DIG 456-8000

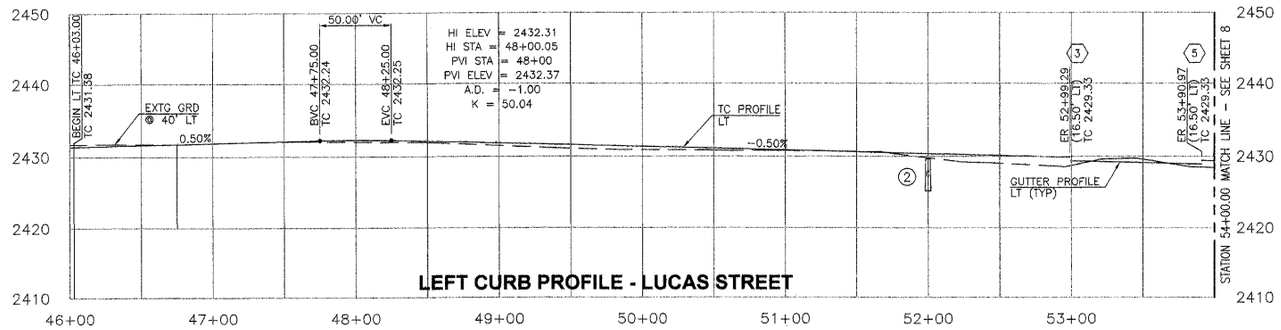
P-1918B

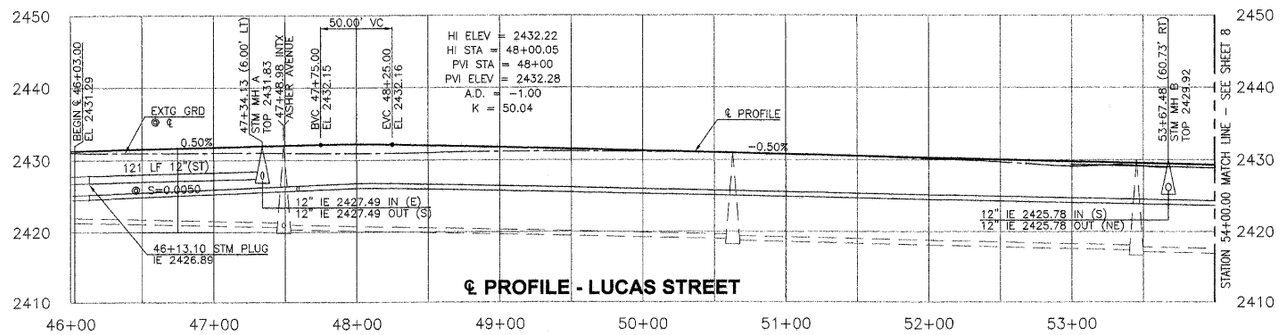
Eng As Built

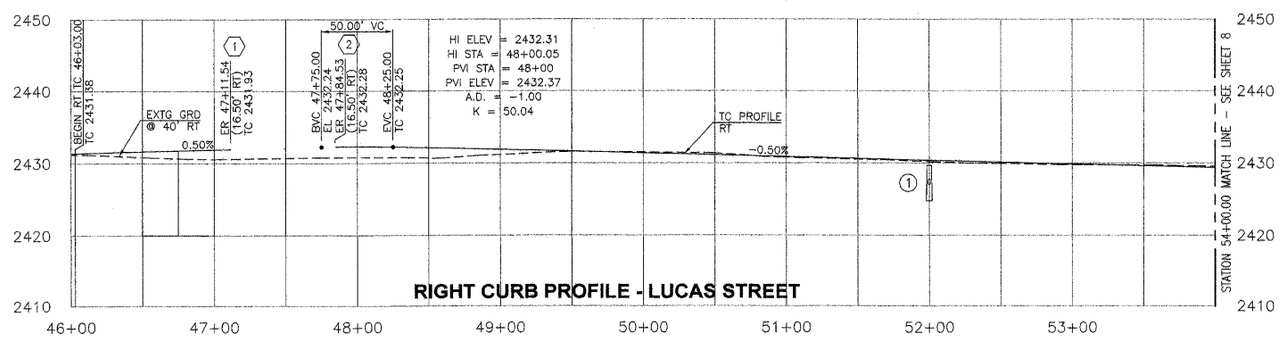
PROT02002.DWG: REV 11/27/2002

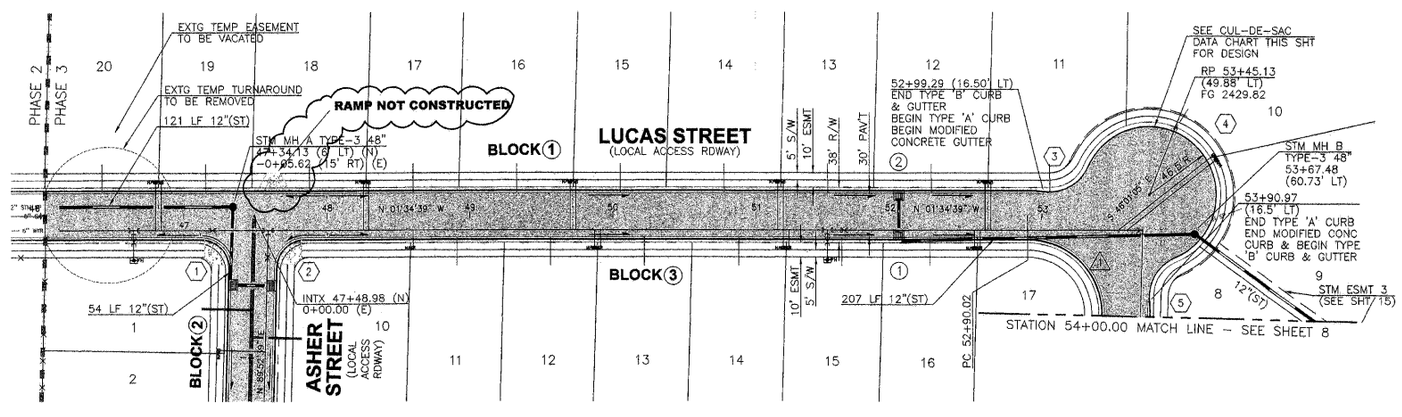
L:\205-064T Big Sky Ph 3\asbuilt street p6.dwg, Layout1, 12/17/2007 9:39:58 AM, 1:1

RECORD DRAWING









CENTERLINE CURVE DATA				
No.	Δ	R	L	T
1	91°35'43"	69	110.31	70.98

CURB RETURN DATA								
No.	Δ	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
1	91°27'18"	20	31.92	2431.93	2431.84	2431.73	2431.59	2431.50
2	88°32'42"	20	30.91	2431.51	2431.64	2431.91	2432.18	2432.28
3	73°21'49"	30	38.41	2430.29		2429.96		2429.79
5	73°21'49"	30	38.41	2429.33		2429.55		2429.92

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

CUL-DE-SAC DATA					
No.	SUMMARY		STATION	ANGLE	T.C. ELEV*
4			53+17.41 (41.71' LT)	PRC 66°46'04"	2430.29
	Δ	222°51'25"		90°	2430.53
	R	46.5 ft.		120°	2430.90
	L	180.87 ft.		150°	2431.12
				180°	2431.16
				210°	2431.02
				240°	2430.72
				270°	2430.28
			53+72.84 (41.71' LT)	PRC 291°37'28"	2429.92

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

STORMWATER CATCH BASIN TABLE								
No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
1	52+00.00 (16.5'RT)	**1	2429.69	2428.81	2426.94	12 in.	0.5%	207 ft.
2	52+00.00 (16.5'LT)	**1	2429.69	2427.11	-	10in.	0.5%	33 ft.

**SEE SPOKANE COUNTY STANDARD DETAIL B-7

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 12" STORM SEWER PIPE	12" STM SP
EXTG 8" WATER PIPE	8" WTR

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON STATE OF WASHINGTON 37228 REGISTERED PROFESSIONAL ENGINEER
12-12-07
EXPIRES 11/24/09

7/29

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

PROJECT NAME:	BIG SKY - PHASE 3
SHEET LIMITS:	LUCAS STREET 46+03.10 TO 54+00.00
PROJECT LIMITS:	HALLET ROAD & THOMAS MALLEN ROAD
TYPE OF IMPROVEMENT:	STREET & STORM
CITY PROJECT NUMBER	CITY PLAN NUMBER
EFN:	

CALL BEFORE YOU DIG 456-8000 P-1918B Engr's Bulb

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
			REVISIONS						RECORD			GRADE ESTABLISHMENTS				

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

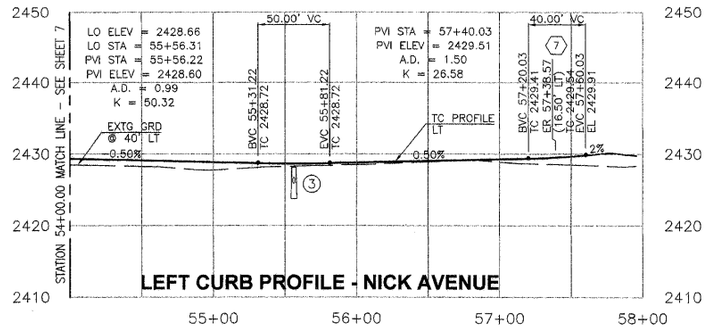
NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV IS 2408.49 NAVD28 DATUM
NAVD88 ELEV. 2412.28
CBW NO.
NAVD88 DATUM
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'
SCALE
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

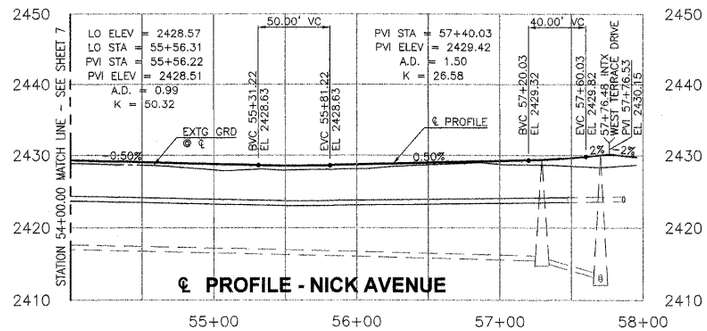
	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGJ	9/04

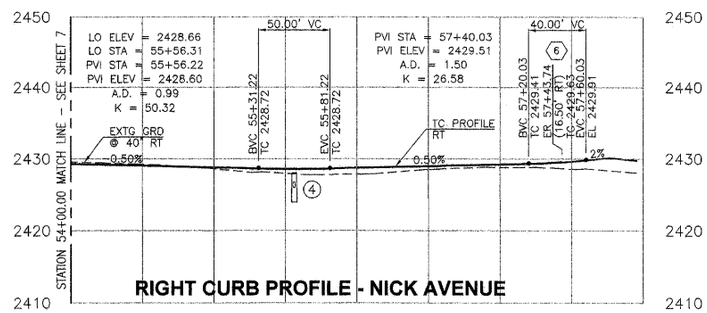
PR0T02002.DWG: REV 11/27/2002

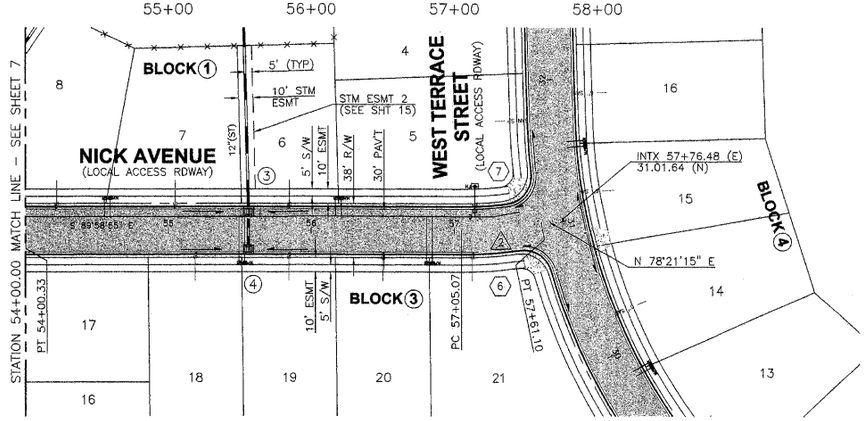
L:\205-064T Big Sky Ph 3\asbuilt street p7.dwg, Layout1, 12/17/2007 1:40:22 PM, 1:1

RECORD DRAWING









SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

CENTERLINE CURVE DATA				
No.	△	R	L	T
2	11°39'49"	275	55.98	28.09

CURB RETURN DATA								
No.	△	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
6	81°40'43"	20	28.51	2429.63	2429.78	2429.01	2430.19	2430.27
7	89°46'64"	20	31.34	2430.12	2430.02	2429.91	2429.71	2429.57

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

STORMWATER CATCH BASIN TABLE								
No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
3	55+56.22 (16.5'LT)	*1	2428.06	2425.68	2425.81	12 in.	0.5%	135 ft.
4	55+56.22 (16.5'RT)	*1	2428.06	2425.97	-	10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP — 9" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP — 8" SAN SP
EXTG 8" WATER PIPE	8" WTR — 8" WTR
EXTG 10" WATER PIPE	10" WTR — 10" WTR

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
12-7-07

EXPIRES 11/24/09

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
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314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
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8/29

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
			11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING												
REVISIONS				RECORD						GRADE ESTABLISHMENTS					

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV IS 2408.49 NAVD28 DATUM
NAVD88 ELEV. 2412.26
CBM NO.
NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'
SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: NICK AVENUE 54+00.00 TO 57+76.53

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

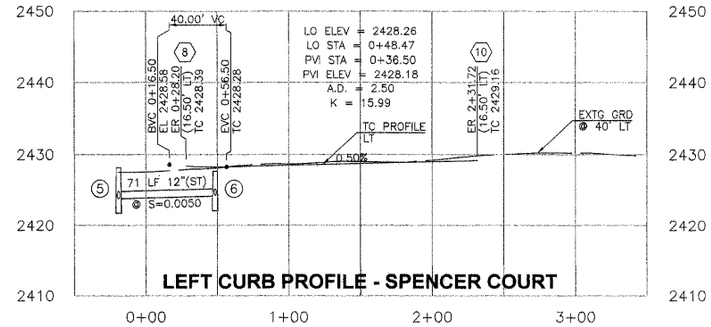
EFN:

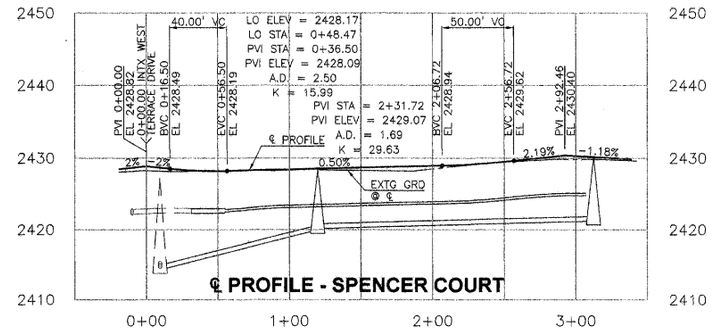
CALL BEFORE YOU DIG 456-8000 P-1918B Eng As Built

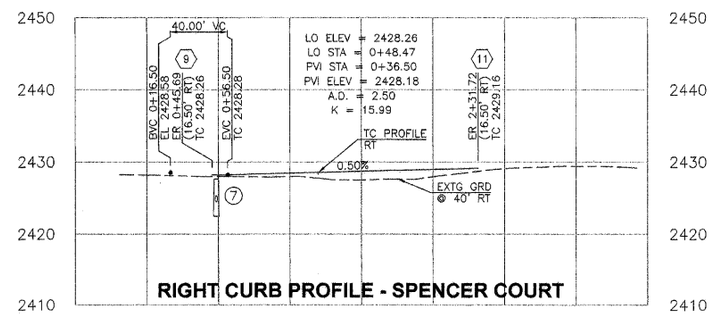
PROT02002.DWG REV 11/27/2002

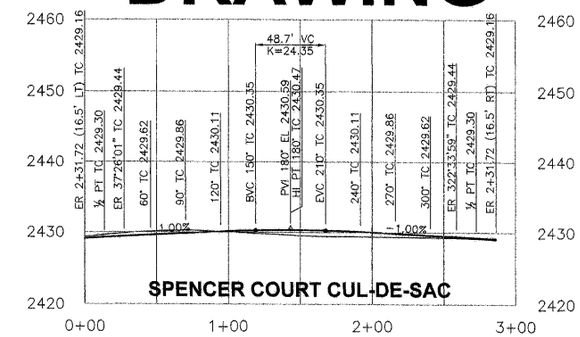
L:\205-064T Big Sky Ph 3\asbuilt street p8.dwg, Layout1, 12/17/2007 9:41:14 AM, 1:1

RECORD DRAWING









CENTERLINE CURVE DATA				
No.	△	R	L	T
3	47°52'17"	200	167.10	88.78

CURB RETURN DATA								
No.	△	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
8	74°05'46"	20	25.86	2428.39	2428.54	2428.81	2429.03	2429.12
9	101°03'27"	20	35.28	2429.12	2428.99	2428.68	2428.37	2428.26
10	52°33'59"	30	27.52	2429.44		2429.30		2429.16
11	52°33'59"	30	27.52	2429.16		2429.30		2429.44

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

STORMWATER CATCH BASIN TABLE								
No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
5	-0+19.08 (20'LT)	1	2428.19	2423.82	2423.82	12 in.	0.5%	164 ft.
6	0+48.47 (16.5'LT)	*1	2427.66	2424.18	2424.31	12 in.	0.5%	71 ft.
7	0+48.47 (16.5'RT)	*1	2427.66	2424.47		10 in.	0.5%	33 ft.

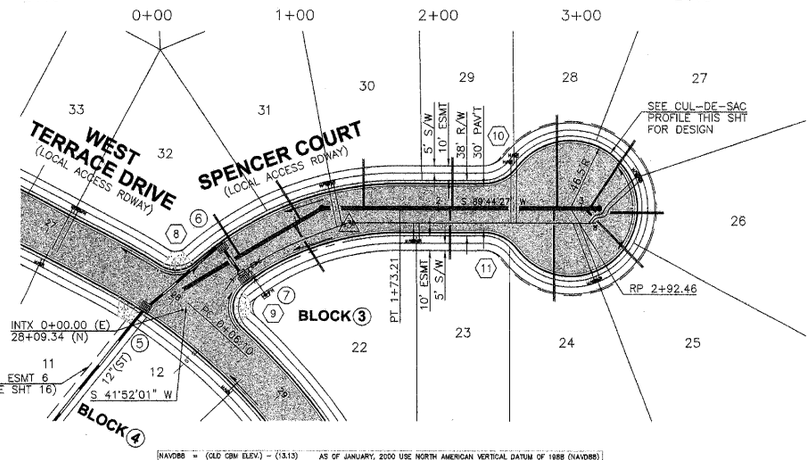
*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)

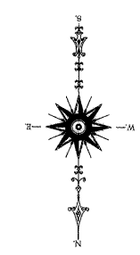
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1918 B
DATE ACCEPTED: 12/31/07

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
12-17-07

EXPIRES 11/24/09





EXTG LINETYPE LEGEND	
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
534 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-6767
Internet: www.hdjengineers.com

9/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: SPENCER COURT 0+00.00 TO 3+42.46

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EFN:

CALL BEFORE YOU DIG 456-8000 P-1918B

Eng As Builts

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	CRD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING									
REVISIONS				RECORD								GRADE ESTABLISHMENTS				

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USC NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV IS 2408.49 NAVD28 DATUM

NAVD88 ELEV. 2412.28

CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN/PROFILE 1"=50'

VERTICAL PROFILE ONLY 1"=10'

SCALE

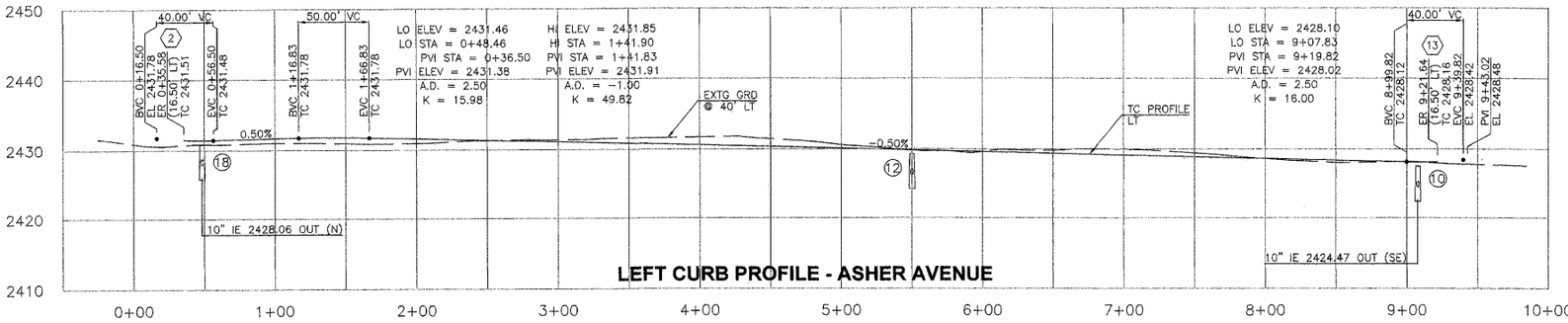
NAVD88 DATUM

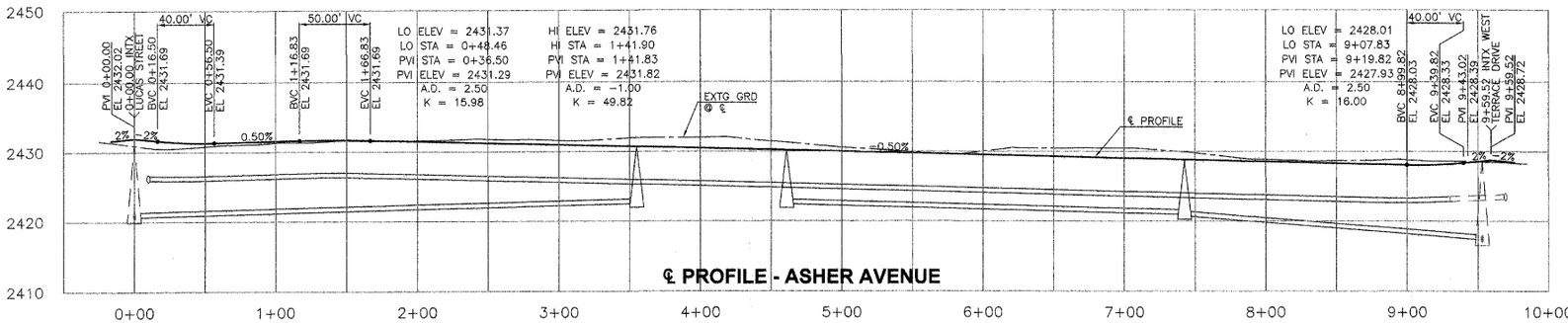
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

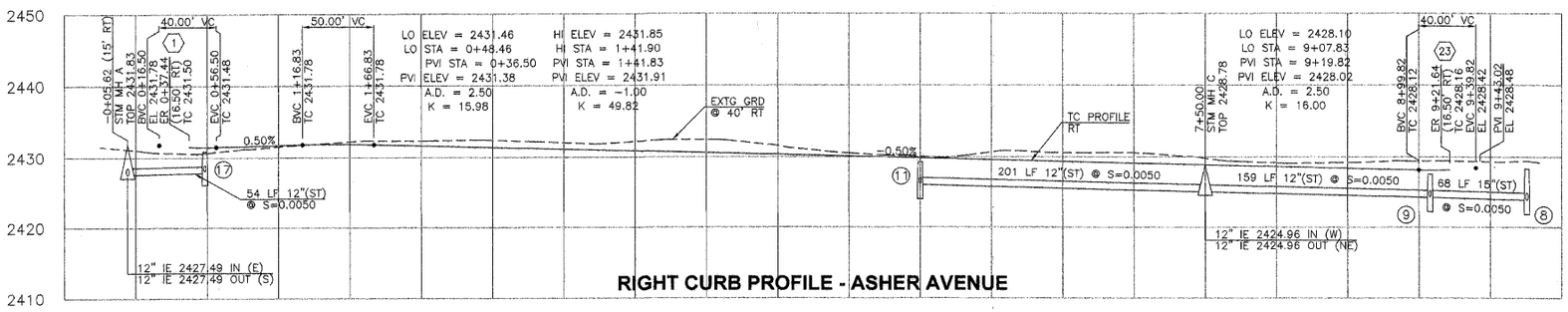
	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

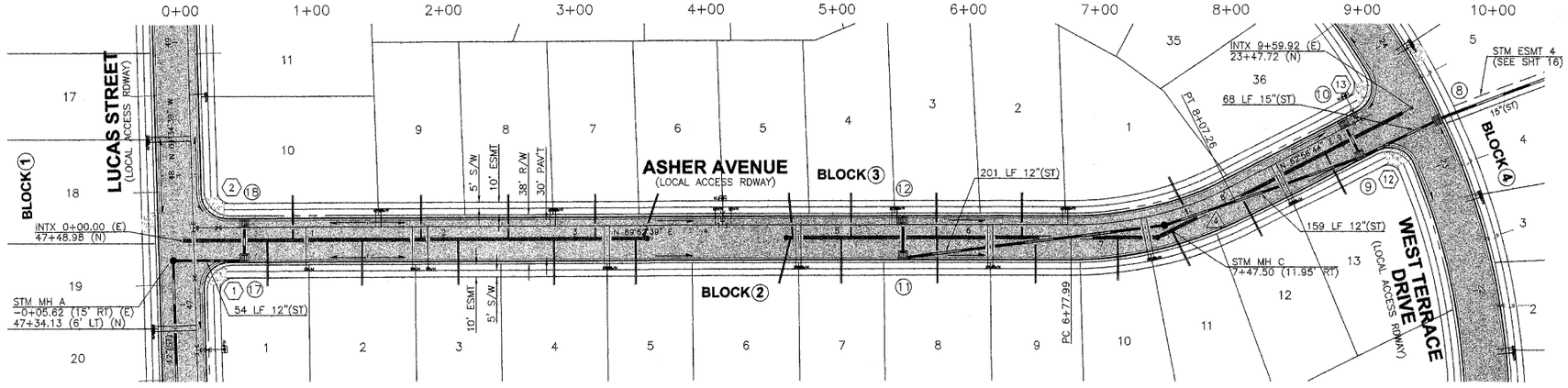
PROT02002.DWG; REV. 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p9.dwg, Layout1, 12/17/2007 9:41:52 AM, 1:1









SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

RECORD DRAWING

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

CENTERLINE CURVE DATA				
No.	△	R	L	T
4	26°55'55"	275	129.26	65.85

CURB RETURN DATA								
No.	△	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
1	91°27'18"	20	31.92	2431.93	2431.84	2431.73	2431.59	2431.50
2	88°32'42"	20	30.91	2431.51	2431.64	2431.91	2432.18	2432.28
12	94°19'43"	20	32.93	2428.16	2428.31	2428.60	2428.89	2429.01
13	94°19'42"	20	32.93	2428.60	2428.51	2428.39	2428.25	2428.16

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

STORMWATER CATCH BASIN TABLE								
No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
8	9+75.76 (16.61'RT)	**1	2428.29	2423.83	2423.83	15 in.	0.5%	166 ft.
9	9+07.83 (16.5'RT)	*1	2427.50	2424.17	2424.17 (SW) 2424.30 (NW)	15 in.	0.5%	68 ft.
10	9+07.83 (16.5'LT)	*1	2427.50	2424.47		10 in.	0.5%	33 ft.
11	5+50 (16.5'RT)	**1	2429.27	2425.97	2426.10	12 in.	0.5%	201 ft.
12	5+50 (16.5'LT)	**1	2429.27	2426.26		10 in.	0.5%	33 ft.
17	0+48.46 (16.5'RT)	*1	2430.86	2427.76	2427.89	12 in.	0.5%	54 ft.
18	0+48.46 (16.5'LT)	*1	2430.86	2428.06		10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)
**SEE SPOKANE COUNTY STANDARD DETAIL B-7

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR

N.
W. E.
S.

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-4767
Internet: www.hdjengineers.com

10/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: ASHER AVENUE 0+00.00 TO 9+59.52

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER | EPN:

CALL BEFORE YOU DIG 456-8000

P-1918B Eng As Built

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO
REVISIONS				RECORD						

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
GRADE ESTABLISHMENTS					

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2009 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV. IS 2408.49' NAVD28 DATUM

NAVD88 ELEV. 2412.28
CBM NO.

NAVD88 DATUM

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HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'

SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

LAST PROJECT BY		DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROTO2002.DWG: REV 11/27/2002

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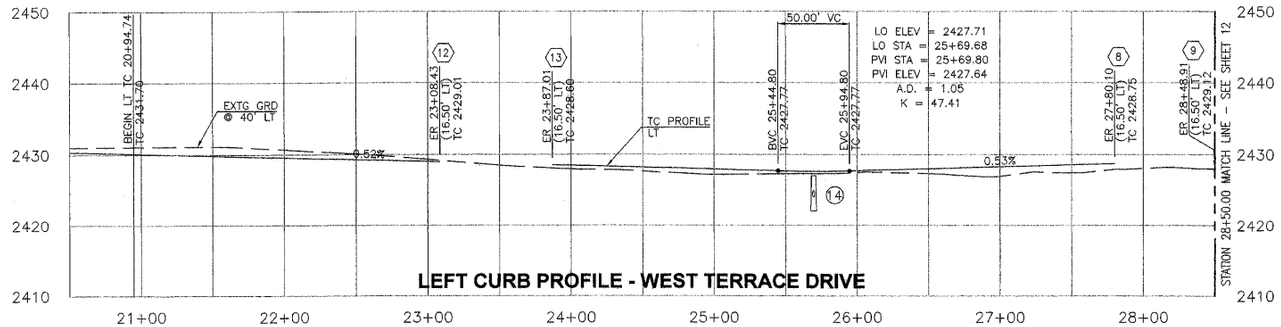
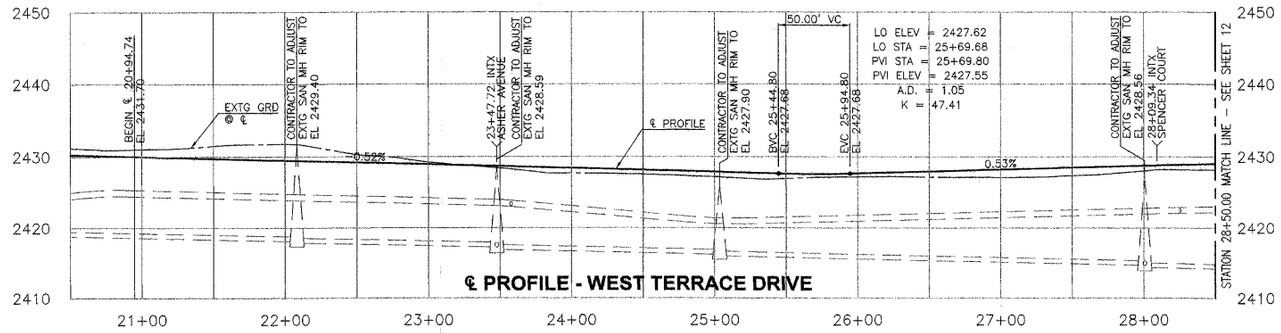
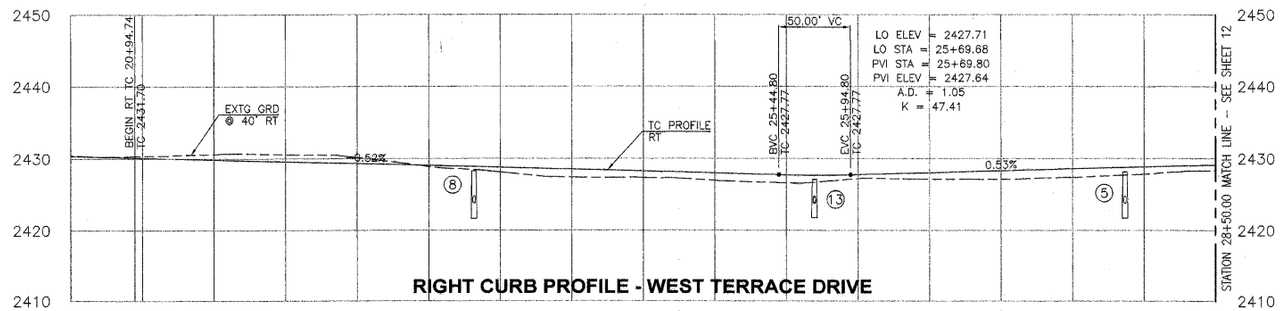
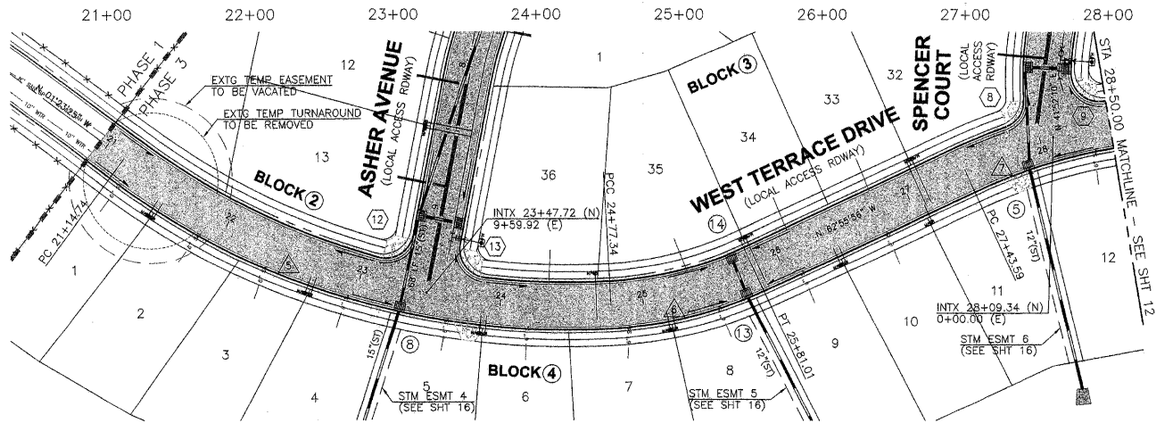
RECORD DRAWING









I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 12-17-07

EXPIRES 11/24/08

CENTERLINE CURVE DATA				
No.	Δ	R	L	T
5	39°56'37"	520.11	362.59	189.01
6	21°35'59"	275	103.67	52.46
7	61°21'39"	400	428.38	237.32

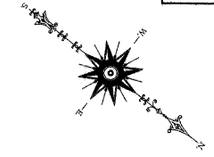
CURB RETURN DATA								
No.	Δ	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
8	74°05'46"	20	25.86	2428.39	2428.54	2428.81	2429.03	2429.12
9	101°03'27"	20	35.28	2429.12	2428.99	2428.68	2428.37	2428.26
12	94°19'43"	20	32.93	2428.16	2428.31	2428.60	2428.89	2429.01
13	94°19'42"	20	32.93	2428.60	2428.51	2428.39	2428.25	2428.16

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

STORMWATER CATCH BASIN TABLE								
No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
5	27+86.70 (16.5'RT)	**1	2428.19	2423.82	2423.82	12 in.	0.5%	164 ft.
8	23+31.62 (16.5'RT)	**1	2428.29	2423.83	2423.83	15 in.	0.5%	166 ft.
13	25+69.67 (16.5'RT)	*1	2427.11	2423.83	2423.96	12 in.	0.5%	165 ft.
14	25+69.67 (16.5'LT)	*1	2427.11	2424.12		10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)
**SEE SPOKANE COUNTY STANDARD DETAIL B-7

EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR



PROJECT APPLICANT	
AHO CONSTRUCTION	Date

SPOKANE COUNTY ENGINEERS OFFICE — OFFICIAL PUBLIC DOCUMENT — ORIGINAL — "AS-BUILTS" — CERTIFIED RECORD DRAWINGS — PROJECT #: P1918 B — DATE ACCEPTED: 12/31/07

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				RECORD							GRADE ESTABLISHMENTS				

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV. IS 2408.49' NAVD28 DATUM
NAVD88 ELEV. 2412.28
CBM NO.
NAVD88 DATUM

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HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'
SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

HOPPER DENNIS JELLISON P.L.L.C. — ENGINEERS & PLANNERS — 314 W. 15th Street, Vancouver, WA 98660-2927 — (360) 695-3488 — (503) 924-4005 — FAX (360) 695-8767 — Internet: www.hdjengineers.com

11/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: WEST TERRACE DRIVE 20+94.74 TO 28+50.00

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

DTN:

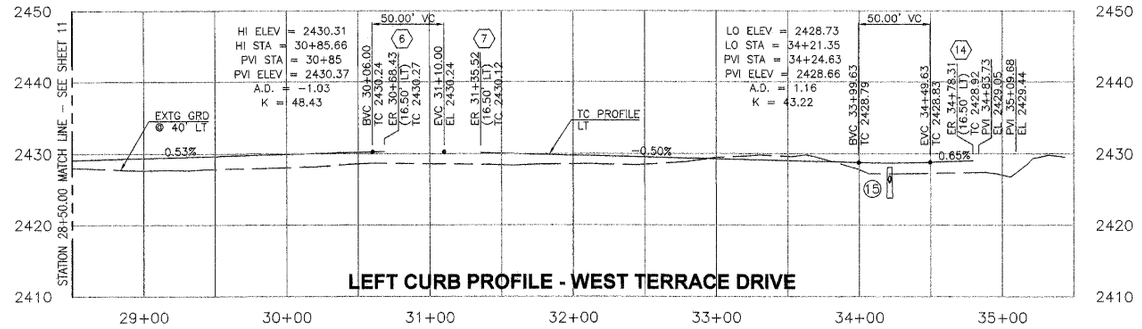
CALL BEFORE YOU DIG 456-8000

P-1918B Eng As Built

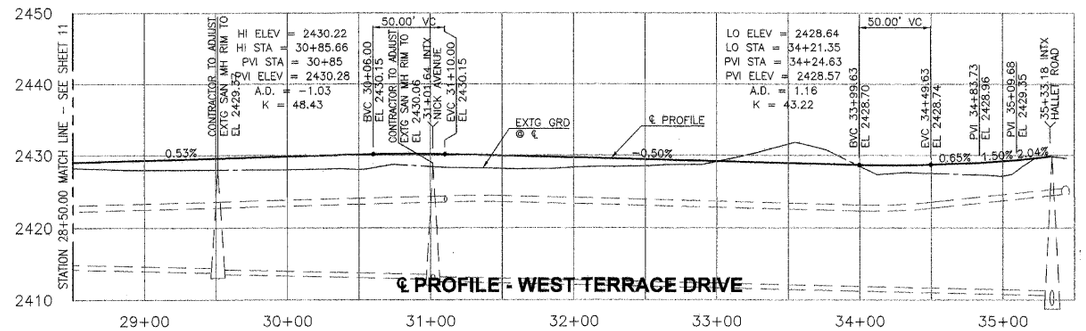
PROTO2002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p11.dwg, Layout1, 12/17/2007 10:39:26 AM, 1:1

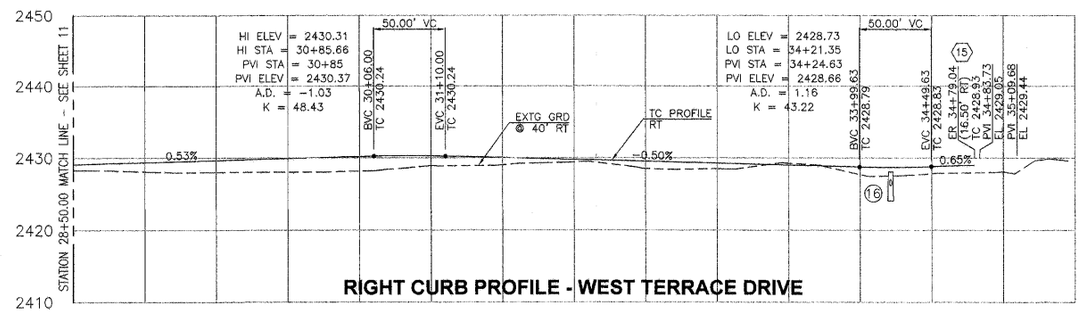
RECORD DRAWING



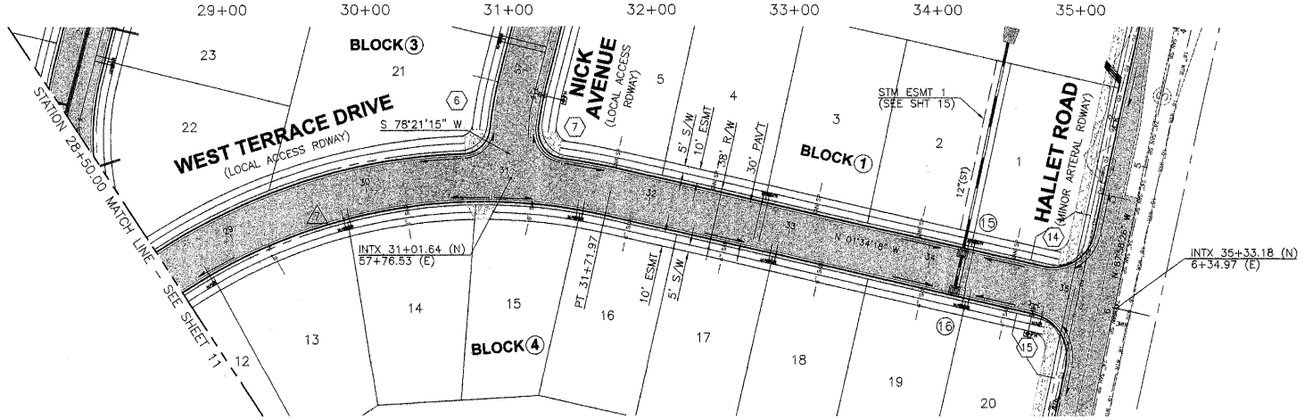
LEFT CURB PROFILE - WEST TERRACE DRIVE



℄ PROFILE - WEST TERRACE DRIVE



RIGHT CURB PROFILE - WEST TERRACE DRIVE



I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NIELSON
STATE OF WASHINGTON
37226
REGISTERED PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

CENTERLINE CURVE DATA

No.	Δ	R	L	T
7	61°21'39"	400	428.38	237.32

CURB RETURN DATA

No.	Δ	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
6	82°21'26"	20	28.75	2429.63	2429.78	2429.01	2430.19	2430.27
7	89°18'04"	20	31.17	2430.12	2430.02	2429.91	2429.71	2429.57
14	90°27'17"	30	47.36	2429.67	2429.58	2429.41	2429.16	2428.92
15	89°32'43"	30	46.89	2428.93	2429.16	2429.39	2429.53	2429.62

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

STORMWATER CATCH BASIN TABLE

No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
15	27+86.70 (16.5'RT)	*1	2428.13	2425.78	2425.91	12 in.	0.5%	164 ft.
16	34+21.35 (16.5'RT)	*1	2428.13	2426.07		10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)

EXTG LINETYPE LEGEND

EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 6" WATER PIPE	6" WTR
EXTG 10" WATER PIPE	10" WTR
EXTG 18" WATER PIPE	18" WTR
EXTG FIBER OPTIC LINE	FO

PROJECT APPLICANT

AHO CONSTRUCTION — Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
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Vancouver, WA 98660-2927
(360) 693-5488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

12/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: WEST TERRACE DRIVE 28+50.00 TO 35+58.18

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EFN:

CALL BEFORE YOU DIG 456-8000

P-1918B Eng As Built

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING								
REVISIONS				RECORD						GRADE ESTABLISHMENTS					

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NAVD88 ELEV. 2412.28
CBM NO.

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HORIZONTAL PLAN/PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'
SCALE

NAVD88 DATUM

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROT02002.DWG: REV 11/27/2002

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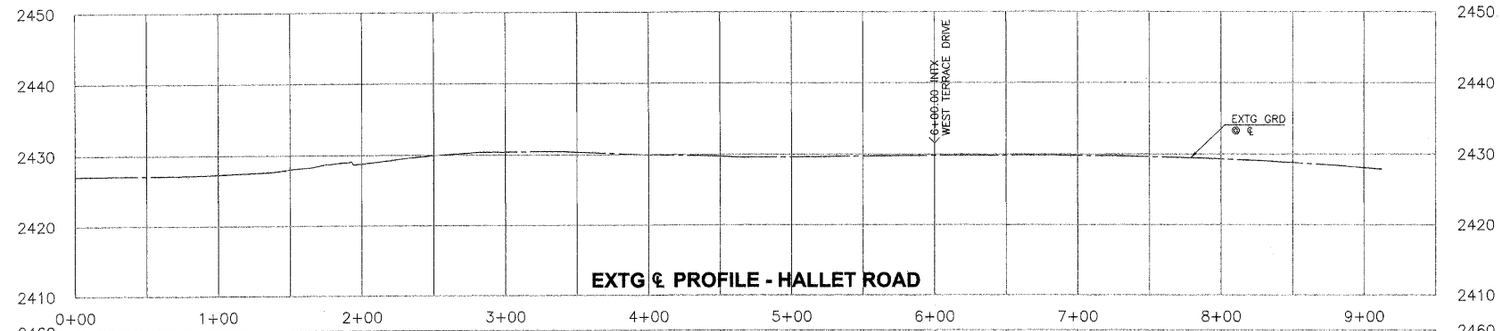
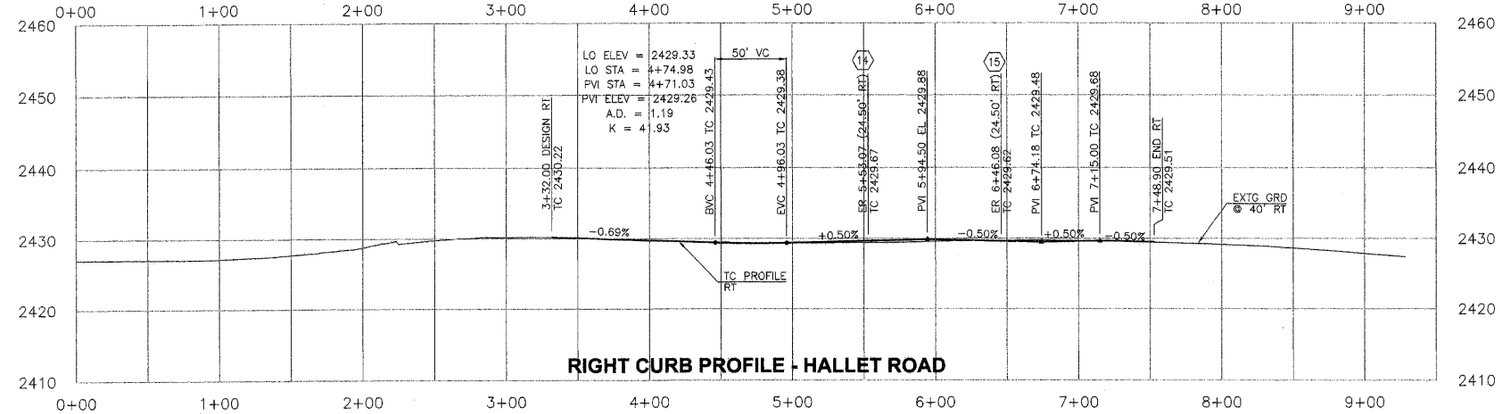
RECORD DRAWING

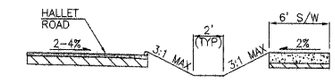




I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

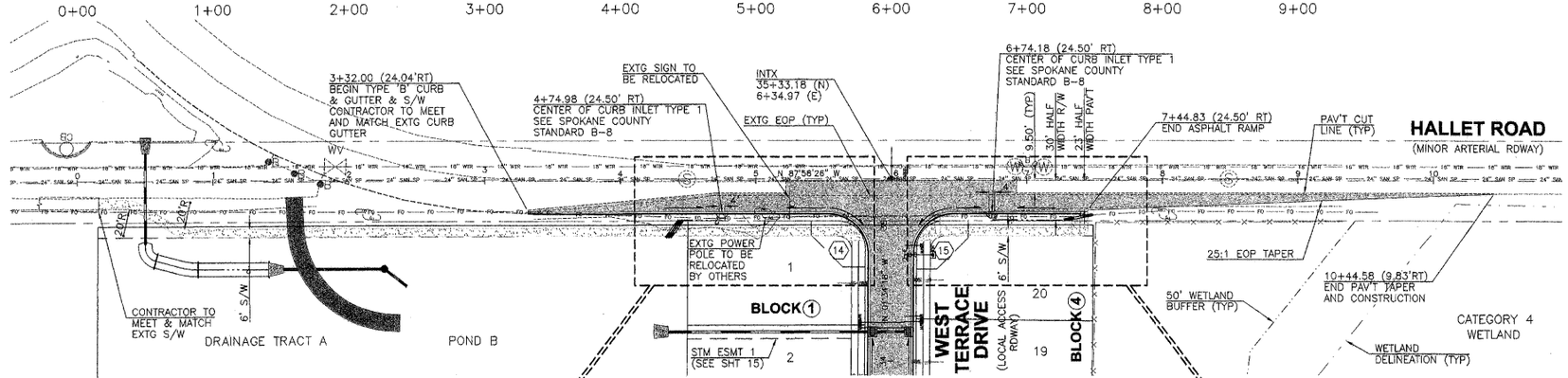
PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 12-11-07

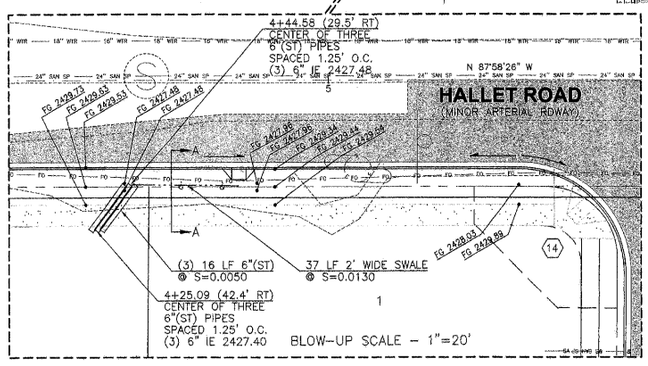
EXPIRES 11/24/09

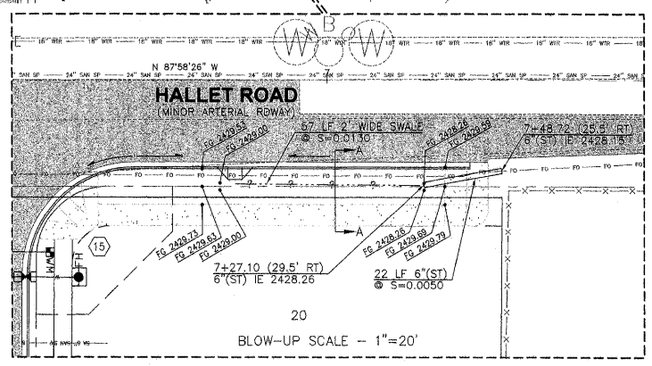


CROSS SECTION A-A
NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07



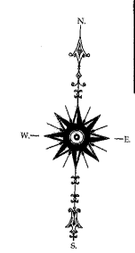




CURB RETURN DATA								
No.	Δ	R	L	ELEVATION* (CLOCKWISE)				
				ER	1/4PT	1/2PT	3/4PT	ER
(14)	90°27'17"	30	47.36	2429.67	2429.58	2429.41	2429.16	2428.92
(15)	89°32'43"	30	46.89	2428.93	2429.16	2429.39	2429.53	2429.62

*ELEVATIONS DO NOT REFLECT DEPRESSIONS FOR CURB RAMPS

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP — 6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP — 8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 10" WATER PIPE	10" WTR — 10" WTR
EXTG 18" WATER PIPE	18" WTR — 18" WTR
EXTG FIBER OPTIC LINE	FO — FO — FO



PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

13/29

PROJECT NAME: BIG SKY - PHASE 3

SHEET LIMITS: HALLET ROAD 0+00.00 TO 10+50.00

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EFN:

CALL BEFORE YOU DIG 456-8000

P-1918B Eng As Built

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N. - U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING								
REVISIONS				RECORD						GRADE ESTABLISHMENTS					

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV IS 2408.49' NAVD28 DATUM

NAVD88 ELEV: 2412.28
CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'

NAVD88 DATUM | SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

LAST PROJECT BY	DATES
DRAWN: RAD	9/04
REVISED:	
CHECKED: TGJ	9/04
APPROVED: TGL	9/04

PROTO2002.DWG: REV 11/27/2002

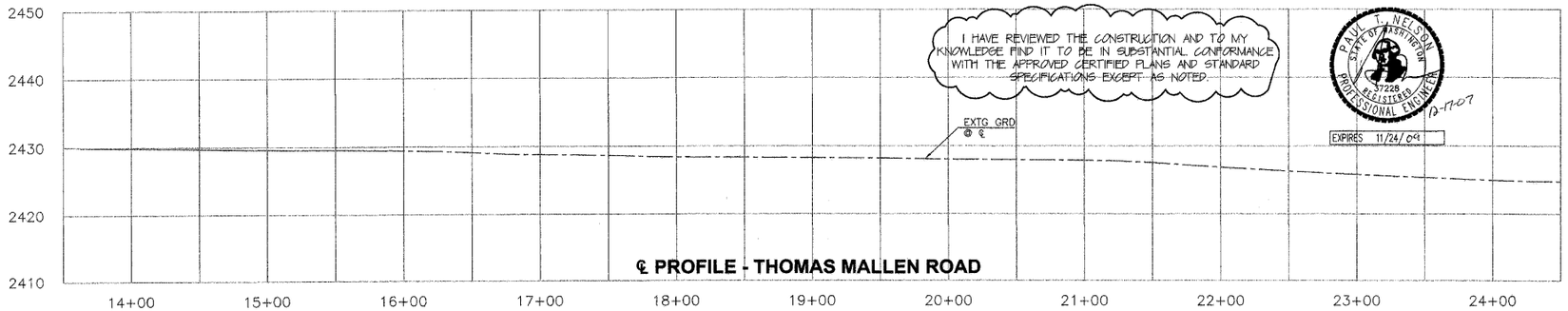
L:\205-064T Big Sky Ph 3\asbuilt street p13.dwg, Layout1, 12/17/2007 10:40:41 AM, 1:1

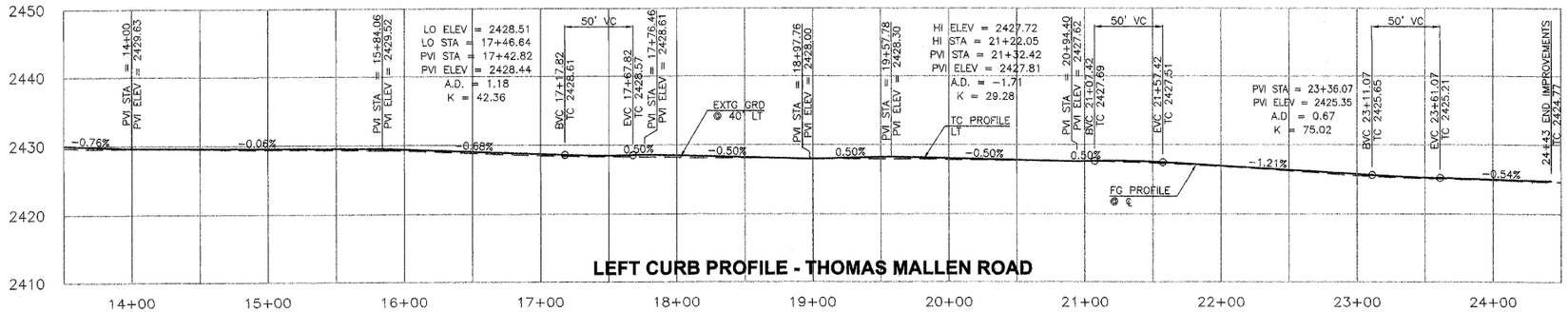
RECORD DRAWING

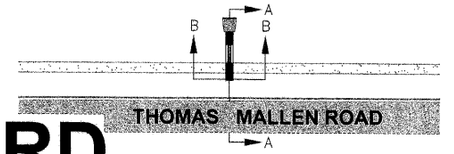
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 12-17-07

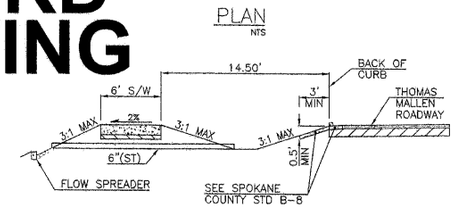
EXPIRES 11/24/04



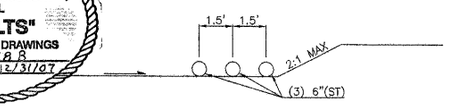




PLAN
NTS



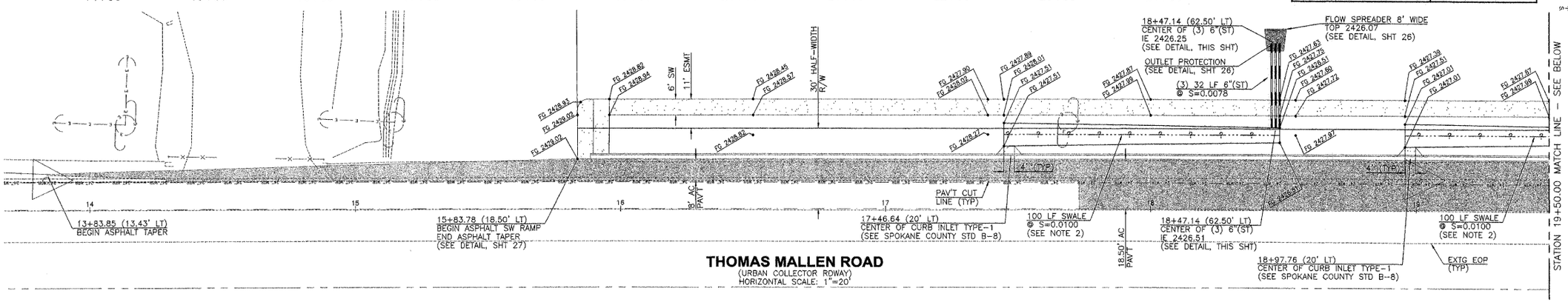
CROSS SECTION A-A
NTS



CROSS SECTION B-B
NTS

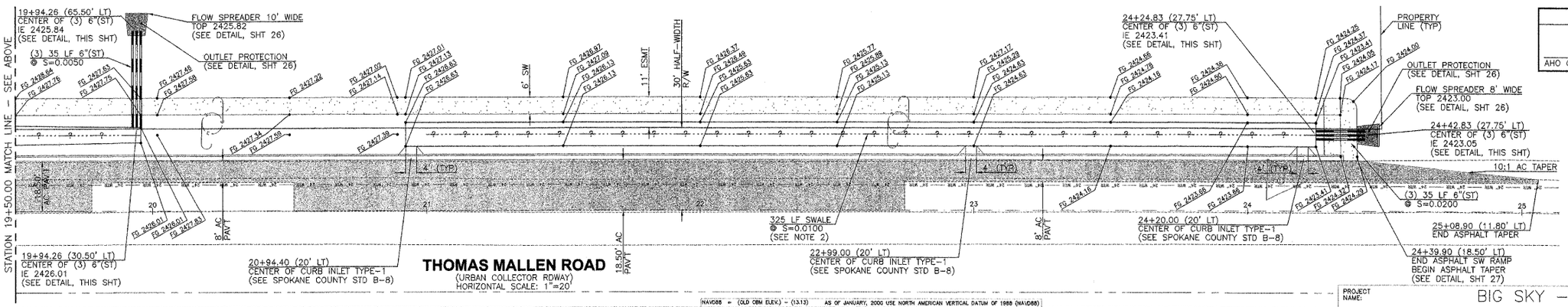
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P-19188
DATE ACCEPTED: 12/31/07

EXTG LINETYPE LEGEND	
EXTG 24" WATER PIPE	24" WTR 24" WTR
EXTG ELECTRICAL LINE	E E E E



THOMAS MALLEN ROAD
(URBAN COLLECTOR RDWAY)
HORIZONTAL SCALE: 1"=20'

NOTES:
1. SEE SHT 27 FOR THOMAS MALLEN ROAD TYPICAL CROSS SECTION.
2. AT LEAST 2 INCHES OF COMPOST SHALL BE TILLED INTO THE ENTIRE BIOFILTRATION SWALE TO A DEPTH OF 6 INCHES, UNLESS THE NATIVE SOIL HAS AS ORGANIC CONTENT OF 1% OR GREATER.



THOMAS MALLEN ROAD
(URBAN COLLECTOR RDWAY)
HORIZONTAL SCALE: 1"=20'

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
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14/29

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				RECORD								GRADE ESTABLISHMENTS				

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NAVD88 ELEV. 2412.28
CBM NO.

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SCALE: HORIZONTAL PLAN&PROFILE 1"=50'; VERTICAL PROFILE ONLY 1"=10'

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: THOMAS MALLEN ROAD 13+83.85 TO 24+48.95

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER | EFN:

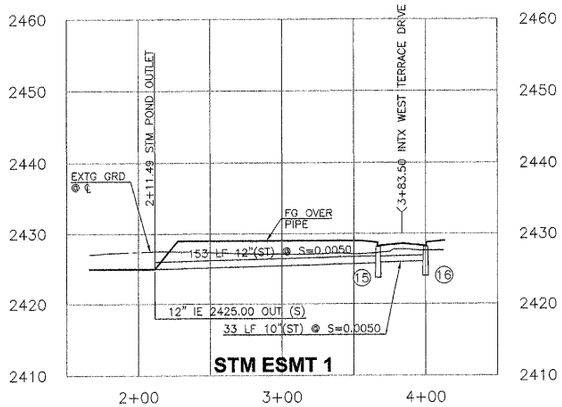
CALL BEFORE YOU DIG 456-8000

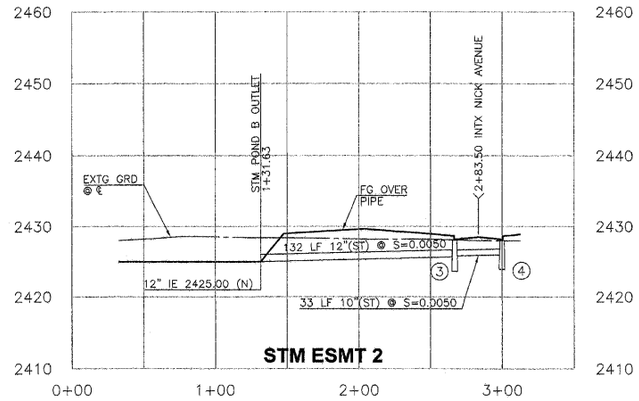
P-19188 Eng As-Builts

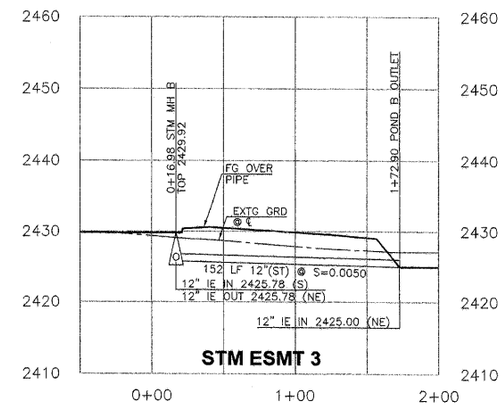
PROTO2002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p14.dwg, Layout1, 12/17/2007 10:41:17 AM, 1:1

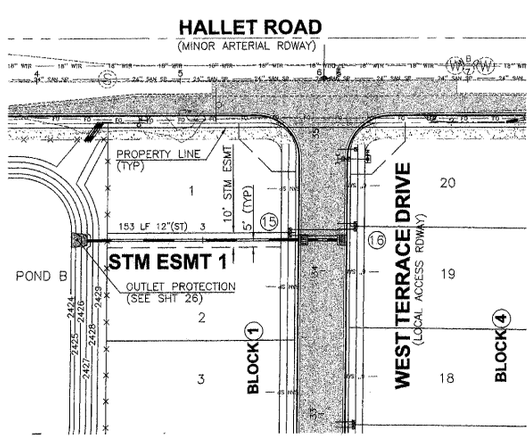
RECORD DRAWING

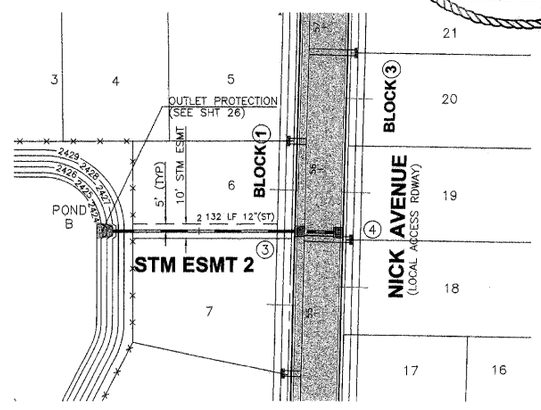


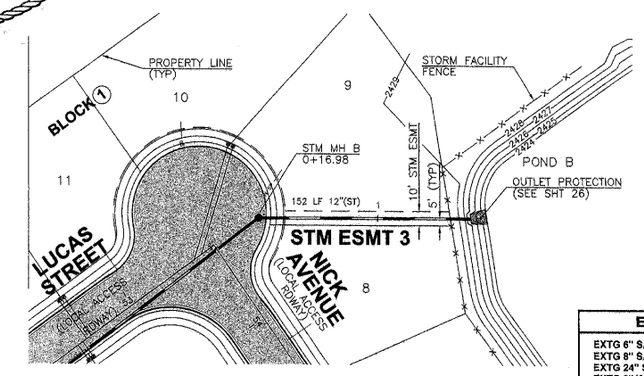




SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1918 B
DATE ACCEPTED: 12/31/07







EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR
EXTG 18" WATER PIPE	18" WTR
EXTG FIBER OPTIC LINE	FO

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED
PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

STORMWATER CATCH BASIN TABLE

No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
3	2+67.00	*1	2428.06	2425.68	2425.81	12 in.	0.5%	132 ft.
4	3+00.00	*1	2428.06	2425.97	-	10 in.	0.5%	33 ft.
15	3+67.00	*1	2428.13	2425.78	2425.91	12 in.	0.5%	153 ft.
16	4+00.00	*1	2428.13	2426.07	-	10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)

HOPPER DENNIS JELLISON PLLC
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FAX (360) 695-8767
Internet: www.hdjengineers.com

15/29

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N. - U.S.N.	FROM	TO
				11/16/07					

REVISIONS

11/16/07 RECORD DRAWING by ALLWEST TESTING AND ENGINEERING

RECORD

COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.

GRADE ESTABLISHMENTS

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BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD. ELEV IS 2408.49' NAVD28 DATUM

NAVD88 ELEV. 2412.28
CBM NO.

NAVD88 DATUM

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HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'

SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	CTS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS:

STM ESMT 1	STM ESMT 2	STM ESMT 3
2+11.00 TO 4+00.00	1+31.00 TO 3+00.00	0+00.00 TO 1+73.00

TYPE OF IMPROVEMENT: STREET & STORM

CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

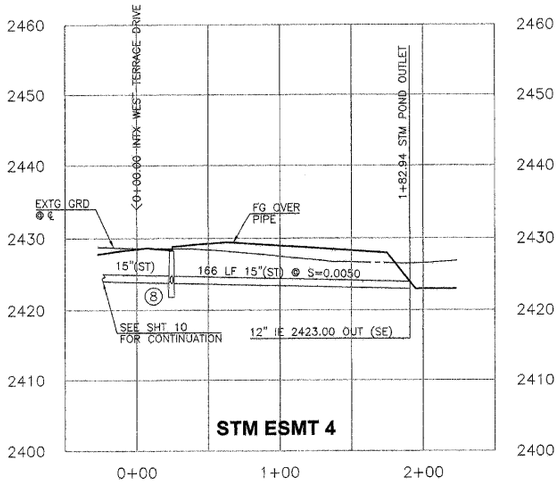
EFN:

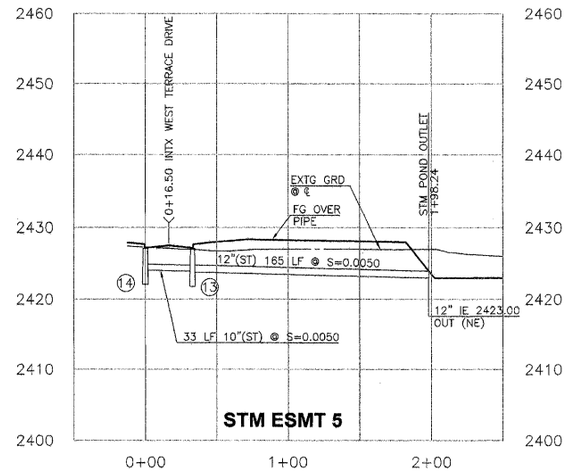
CALL BEFORE YOU DIG 456-8000 P-1918B Engr As Builts

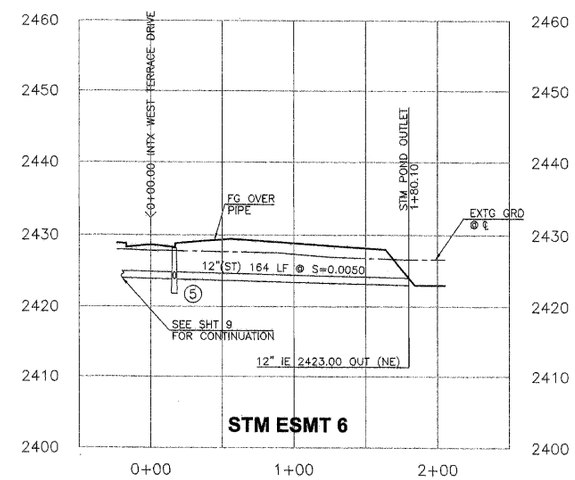
PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p15.dwg, Layout1, 12/17/2007 1:37:04 PM, 1:1

RECORD DRAWING







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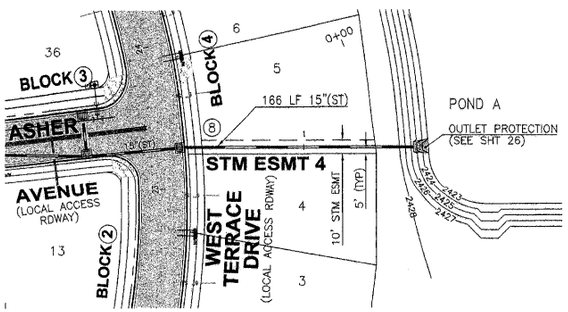
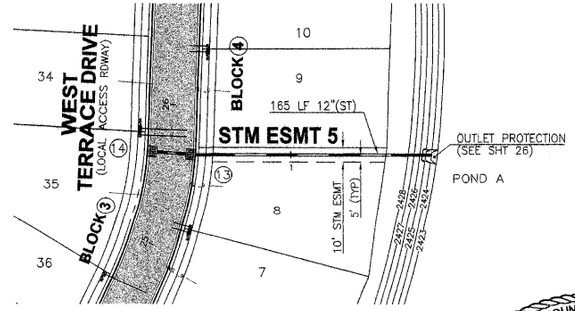
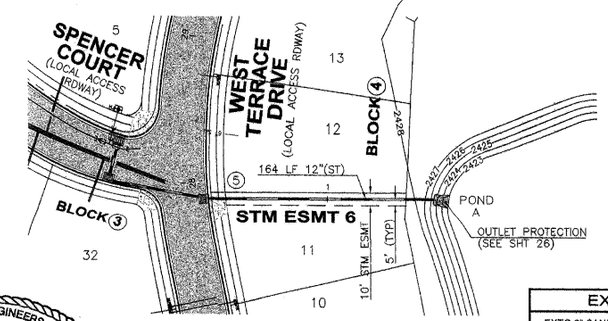
PAUL T. NELSON — STATE OF WASHINGTON — 38228 — REGISTERED PROFESSIONAL ENGINEER — 12-17-07

EXPIRES 11/24/09







SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP — 6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP — 8" SAN SP
EXTG 8" WATER PIPE	8" WTR — 8" WTR
EXTG 10" WATER PIPE	10" WTR — 10" WTR

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

STORMWATER CATCH BASIN TABLE

No.	LOCATION	TYPE	RIM ELEV	OUTLET ELEV	INLET ELEV	OUTLET SIZE	LATERAL SLOPE	LATERAL LENGTH
5	0+16.56	**1	2428.19	2423.82	2423.82	12 in.	0.5%	164 ft.
8	0+16.56	**1	2428.29	2423.83	2423.83	15 in.	0.5%	166 ft.
13	0+33.33	*1	2427.11	2423.83	2423.96	12 in.	0.5%	165 ft.
14	0+00.00	*1	2427.11	2424.12		10 in.	0.5%	33 ft.

*CB TO HAVE THROUGH-CURB INLET FRAME (SEE DETAIL, SHT 27)
**SEE SPOKANE COUNTY STANDARD DETAIL B-7

HOPPER DENNIS JELLISON P.L.L.C.
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16/29

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07		RECORD DRAWING by ALLWEST TESTING AND ENGINEERING										
REVISIONS				RECORD							GRADE ESTABLISHMENTS					

NAVD88 = (OLD CBM ELEV.) - (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
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NAVD88 ELEV. 2412.28
CBM NO.
NAVD88 DATUM
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HORIZONTAL PLAN&PROFILE 1"=50'
VERTICAL PROFILE ONLY 1"=10'
SCALE
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

LAST PROJECT BY		DATES
DRAWN:	CTS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

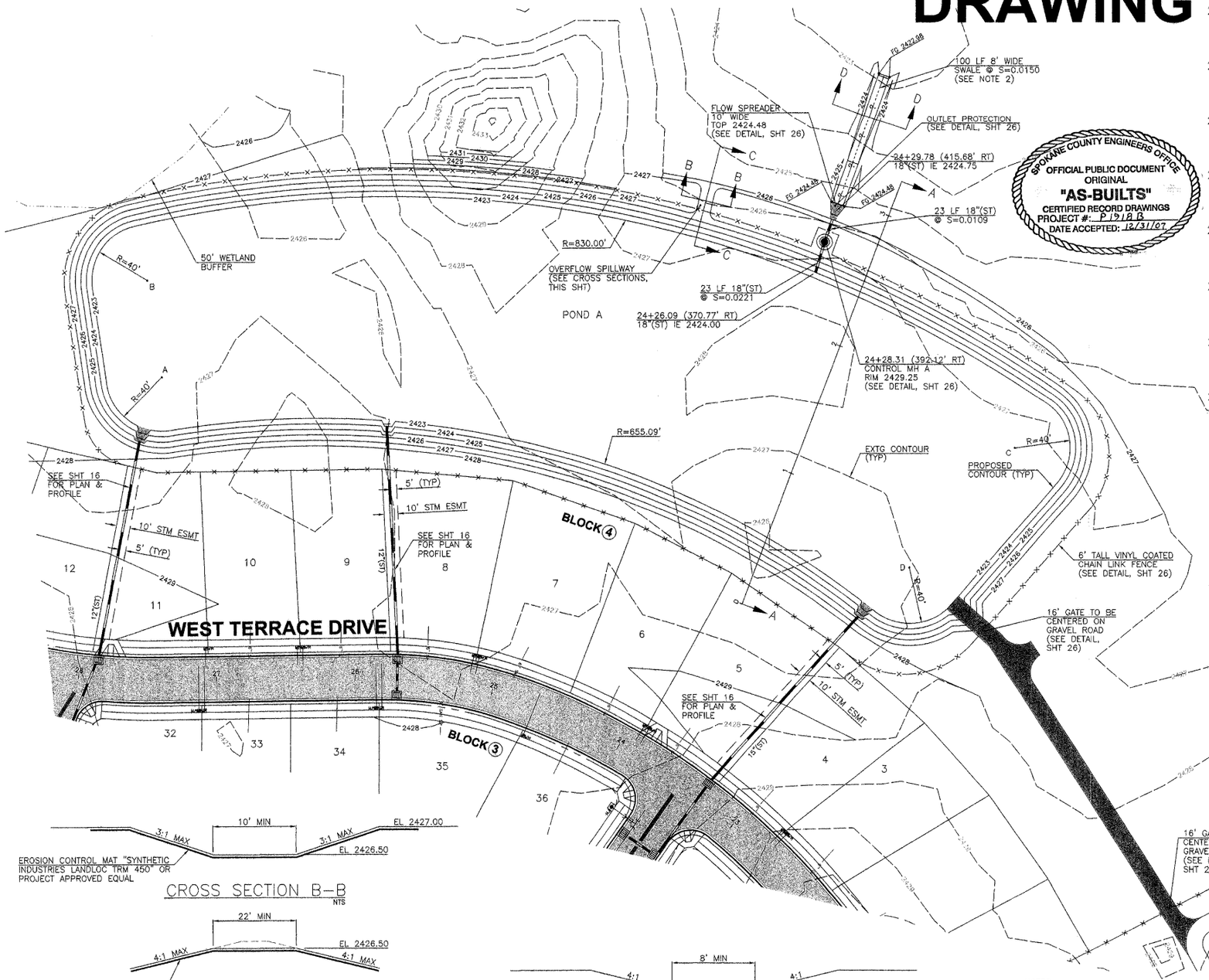
PROJECT NAME: BIG SKY – PHASE 3
TYPE OF IMPROVEMENT: STREET & STORM
SHEET LIMITS: STM ESMT 4 0+16.00 TO 1+83.00 | STM ESMT 5 0+00.00 TO 1+95.00 | STM ESMT 6 0+16.00 TO 1+80.00
CITY PROJECT NUMBER
CITY PLAN NUMBER
PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD
EFN:
CALL BEFORE YOU DIG 456-8000

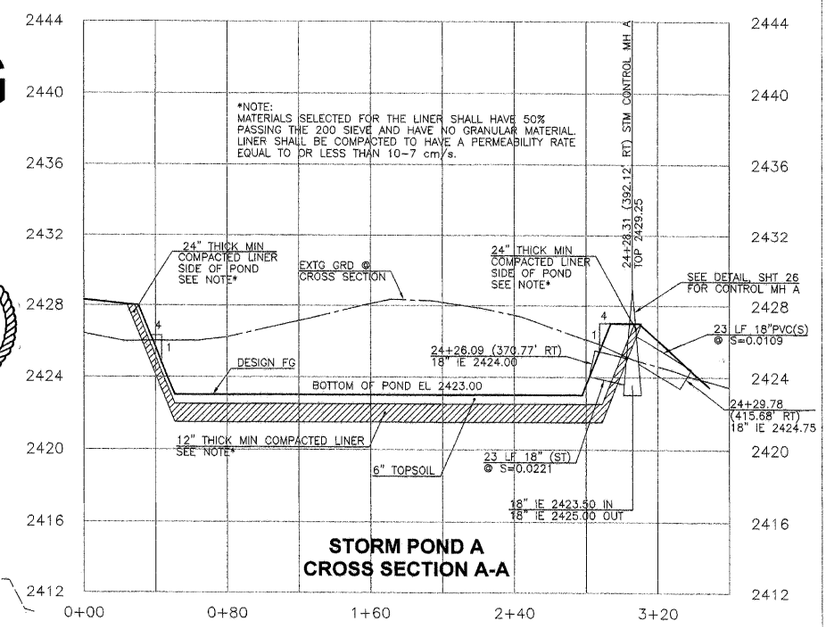
P1918B Eng As Built

PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p16.dwg, Layout1, 12/17/2007 10:47:11 AM, 1:1

RECORD DRAWING





STORM POND A		
LABEL	*STATION	ELEV
A	27+30.00 (220.32' RT)	2423
B	27+54.63 (280.10' RT)	2423
C	23+13.07 (341.72' RT)	2423
D	23+16.43 (226.57' RT)	2423

*POND A IS STATIONED FROM WEST TERRACE DRIVE CENTERLINE

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

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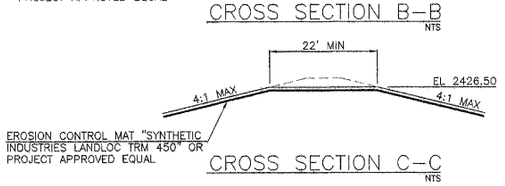
PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

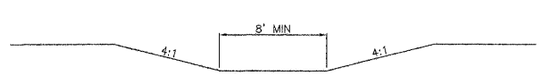
EXTG LINETYPE LEGEND	
EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR
EXTG 18" WATER PIPE	18" WTR
EXTG FIBER OPTIC LINE	FO

CROSS SECTION B-B
NTS



CROSS SECTION C-C
NTS

NOTE:
OVERLAP MAT IN DIRECTION OF FLOW PER MANUFACTURER'S SPECIFICATIONS.



CROSS SECTION D-D
NTS

NOTES:
1. SEE SHT 25 FOR SEED MIX AND APPLICATION FOR BOTTOM OF POND, SIDE SLOPES OF POND AND SWALE
2. AT LEAST 2 INCHES OF COMPOST SHALL BE TILLED INTO THE ENTIRE BIOFILTRATION SWALE TO A DEPTH OF 6 INCHES, UNLESS THE NATIVE SOIL HAS AN ORGANIC CONTENT OF 1% OR GREATER.

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3488
(503) 924-4005
FAX (360) 695-8767
Internet: www.hdjengineers.com

24/29

PROJECT NAME: BIG SKY – PHASE 3
SHEET LIMITS: STORM FACILITY
TYPE OF IMPROVEMENT: STORM
CITY PROJECT NUMBER
CITY PLAN NUMBER
EFN:
PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD
CALL BEFORE YOU DIG 456-8000

P1918B Eng As Built

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING								
REVISIONS				RECORD						GRADE ESTABLISHMENTS					

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV = 2408.49 NAVD29 DATUM
NAVD88 ELEV. 2412.29
CBM NO.
NAVD88 DATUM
BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1" = 40'
VERTICAL PROFILE ONLY 1" = 4'
SCALE

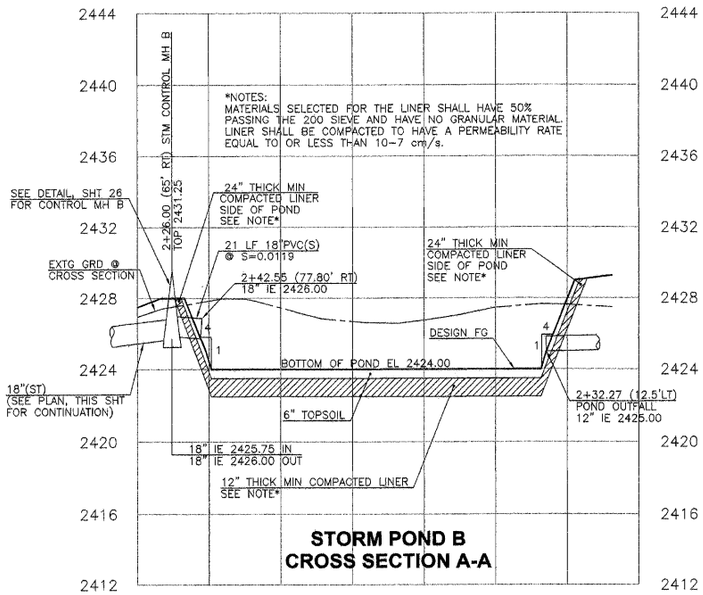
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	CTS	8/04
REVISED:		
CHECKED:	TGJ	8/04
APPROVED:	TGL	8/04

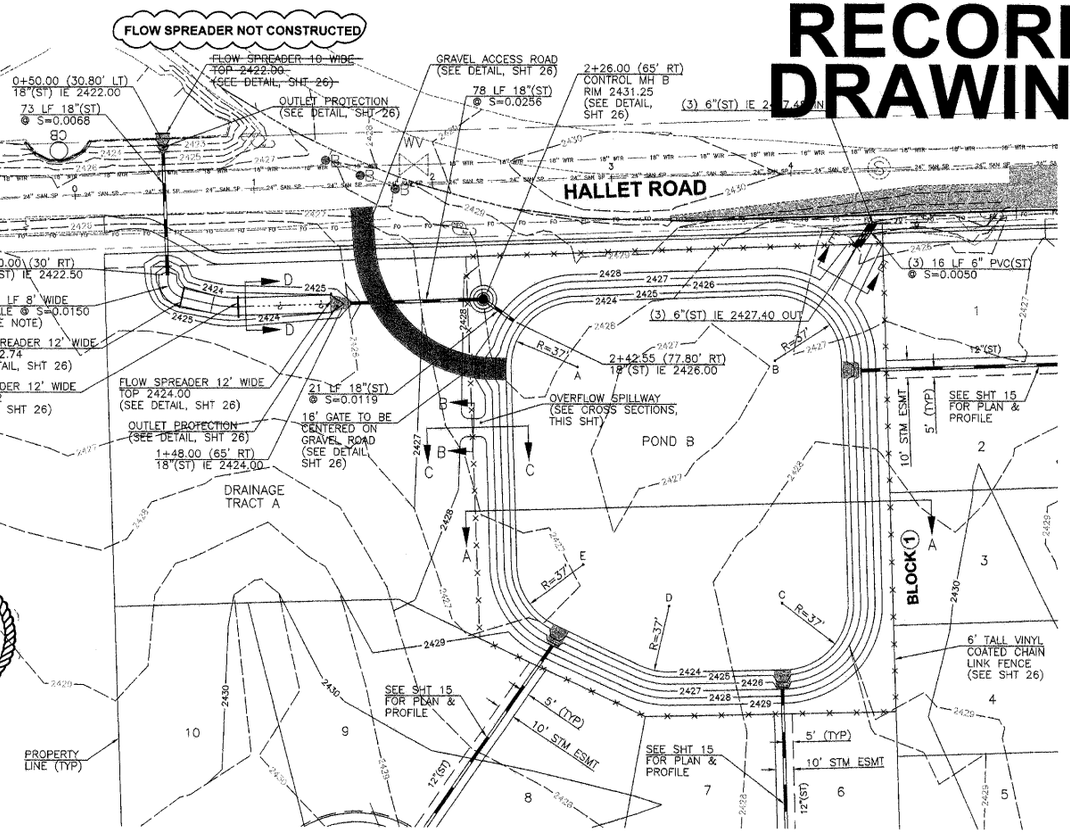
PROT02002.DWG: REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p24.dwg, Layout1, 12/17/2007 10:49:20 AM, 1:1

RECORD DRAWING



STORM POND B CROSS SECTION A-A

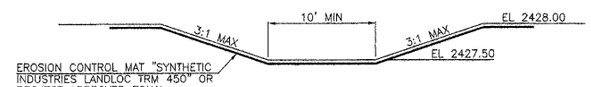


SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

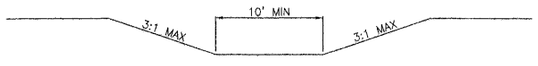
I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 12-12-07

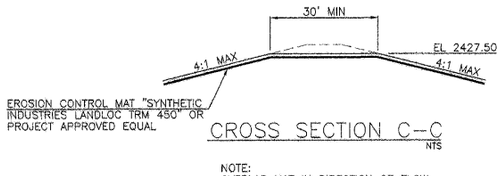
EXPIRES 11/24/09



CROSS SECTION B–B
NTS

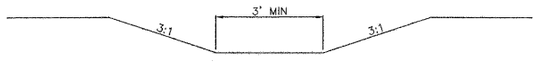


CROSS SECTION D–D
NTS



CROSS SECTION C–C
NTS

NOTE:
OVERLAP MAT IN DIRECTION OF FLOW PER MANUFACTURER'S SPECIFICATIONS.



CROSS SECTION E–E
NTS

STORMWATER FACILITY PLANTING

PLANTING MIXTURE SPECIFICATIONS: FOR BOTTOM & SIDE SLOPES

BOTTOM OF POND	% BY WEIGHT
BLUE WILDRYE	46
NATIVE RED FESCUE	38
TUFTED HAIRGRASS	12
WESTERN MANNAGRASS	2
AMERICAN SLOUGHGRASS	2

APPLICATION RATE:
HYDROSEED @ 1 LB/1000 SQUARE FEET

SIDE SLOPES	% BY WEIGHT
NATIVE RED FESCUE	50
CALIFORNIA BROME	20
BLUE WILDRYE	20
LARGE LEAF LUPINE	10

APPLICATION RATE:
HYDROSEED @ 2 LBS/1000 SQUARE FEET

NOTE:
AT LEAST 2 INCHES OF COMPOST SHALL BE TILLED INTO THE ENTIRE BIOFILTRATION SWALE TO A DEPTH OF 6 INCHES, UNLESS THE NATIVE SOIL HAS AN ORGANIC CONTENT OF 1% OR GREATER.

STORM POND B

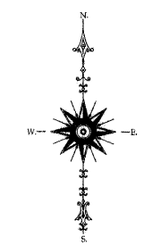
LABEL	*STATION	ELEV
A	2+77.16 (105' RT)	2424
B	3+87.16 (105' RT)	2424
C	3+86.09 (240.33' RT)	2424
D	3+23.31 (239.60' RT)	2424
E	2+76.28 (215.13' RT)	2424

*POND B IS STATIONED FROM HALLET ROAD CENTERLINE

SWALE SEED MIX	% BY WEIGHT
ELKA PERRENIAL RYE	10
DURAR HARD FESCUE	20
COUAR SHEEP/FESCUE	45
REUBENS CANADIAN BLUEGRASS	15

APPLICATION RATE:
GRASS SEED 90 LBS/ACRE

FERTILIZER 16–16–16 TIMED RELEASE COMPOSITION, 300 LSB/ACRE



PROJECT APPLICANT

AHO CONSTRUCTION — Date

EXTG LINETYPE LEGEND

EXTG 6" SANITARY SEWER PIPE	6" SAN SP
EXTG 8" SANITARY SEWER PIPE	8" SAN SP
EXTG 24" SANITARY SEWER PIPE	24" SAN SP
EXTG 8" WATER PIPE	8" WTR
EXTG 10" WATER PIPE	10" WTR
EXTG 18" WATER PIPE	18" WTR
EXTG FIBER OPTIC LINE	FO

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DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING									

REVISIONS — RECORD — GRADE ESTABLISHMENTS

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CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB,1995

	LAST PROJECT BY	DATES
DRAWN:	CTS	8/04
REVISED:		
CHECKED:	TGJ	8/04
APPROVED:	TGL	8/04

PROJECT NAME: BIG SKY – PHASE 3
SHEET LIMITS: STORM FACILITY
TYPE OF IMPROVEMENT: STORM
CITY PROJECT NUMBER
CITY PLAN NUMBER
EFN:
PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD
CALL BEFORE YOU DIG 456-8000

P1918B Eng As-Builts

PROTO2002.DWG: REV 11/27/2002

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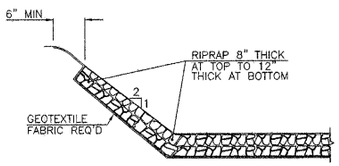
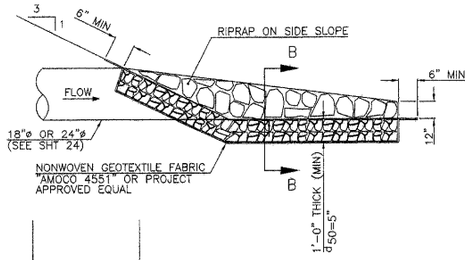
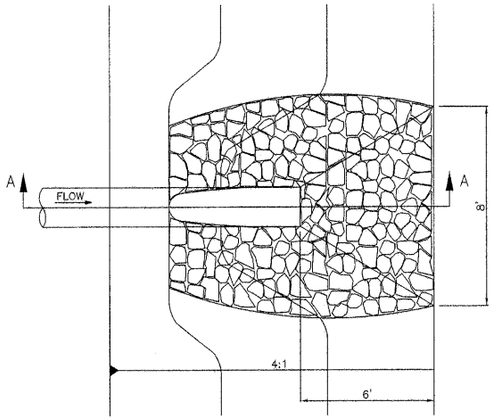


SECTION B–B

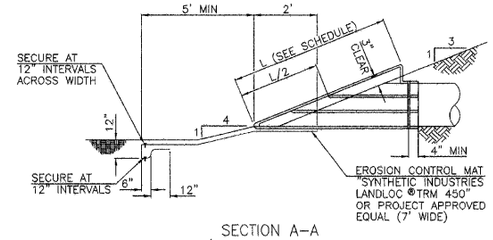


SECTION A–A

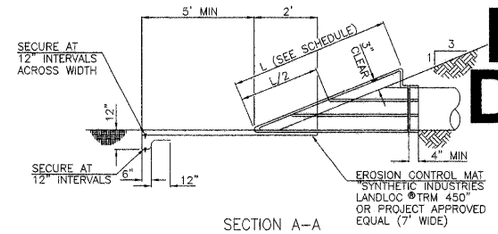


OUTLET PROTECTION DETAIL

NTS

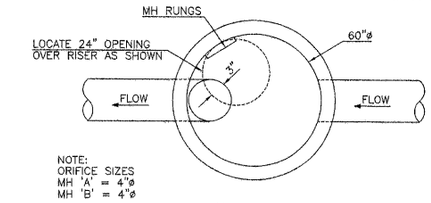


SECTION A–A
W/SLOPED ENTRANCE

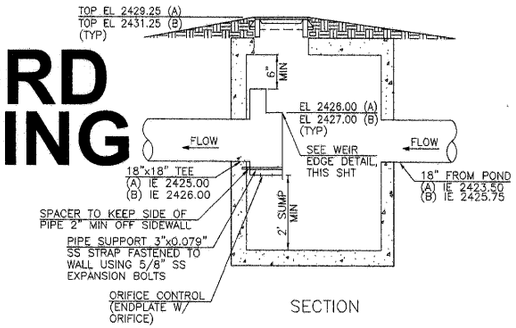


SECTION A–A

RECORD DRAWING



TOP VIEW

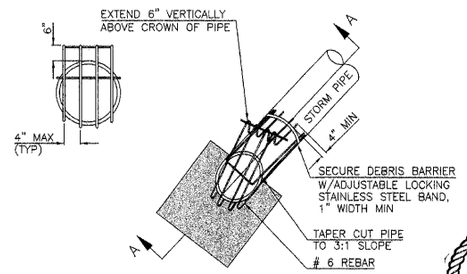


SECTION

STORM CONTROL MANHOLE 'A' & 'B'
PHASE 3

NTS

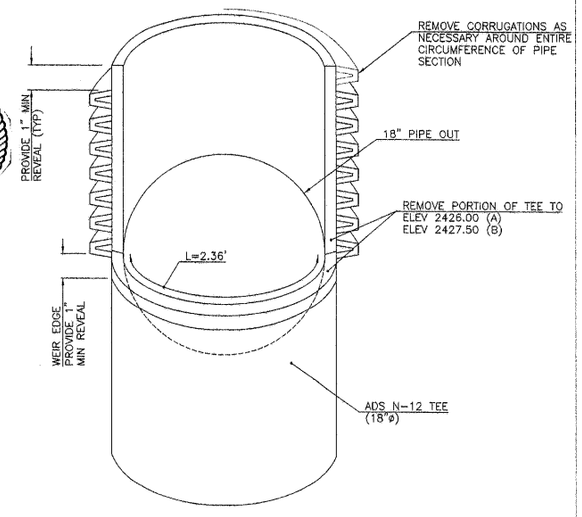
DEBRIS BARRIER SCHEDULE		
PIPE DIA	L	NO. OF BARS REQUIRED
15"	6.0'	4
18"	6.5'	5
24"	8.0'	7
48"	15'	15



INLET/OUTLET PROTECTION W/DEBRIS BARRIER

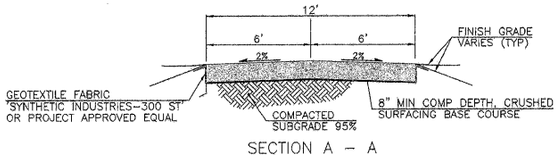
NTS

SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918B
DATE ACCEPTED: 12/31/07

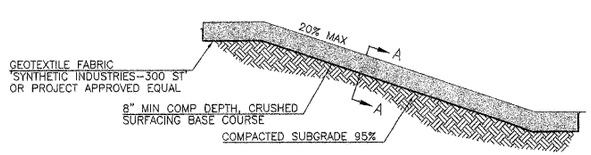


WEIR EDGE DETAIL

NTS

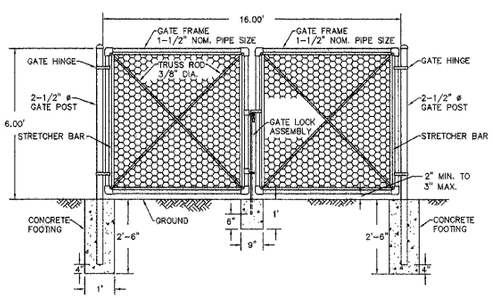


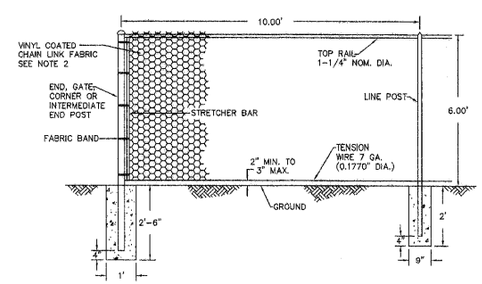
SECTION A – A



GRAVEL ACCESS ROAD

NTS



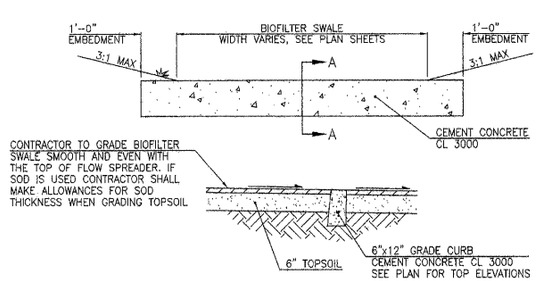


NOTES:

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION
2. VINYL COATED CHAIN LINK FENCE FABRIC TO MEET OR EXCEED REQUIREMENTS OF WSDOT SPECIFICATION 9-16.1(7) FOR TYPE 1 FENCE (9 GA) 2" DIAMOND.

STORM FACILITY CHAIN LINK FENCE

NTS



SECTION A–A

FLOW SPREADER DETAIL

NTS

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON STATE OF WASHINGTON 37226 REGISTERED PROFESSIONAL ENGINEER 12-17-07

EXPIRES 11/24/09

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26/29

PROT02002.DWG; REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p26.dwg, Layout1, 12/17/2007 10:50:36 AM, 1:1

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
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REVISIONS				RECORD							GRADE ESTABLISHMENTS					

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NAVD88 ELEV. 2412.29

CBM NO.

NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN&PROFILE

VERTICAL PROFILE ONLY

SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	8/04
REVISED:		
CHECKED:	GME	8/04
APPROVED:	TGL	8/04

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: STORM FACILITY DETAILS

TYPE OF IMPROVEMENT:

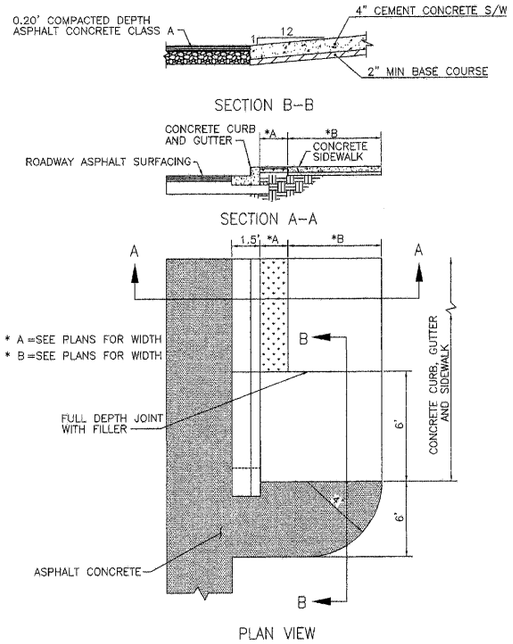
CITY PROJECT NUMBER | CITY PLAN NUMBER

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EPN:

CALL BEFORE YOU DIG 456-8000

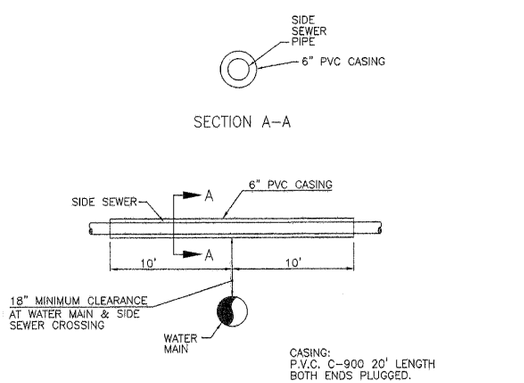
P-1918B Eng As Built



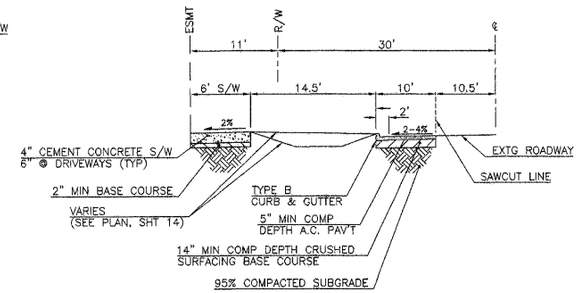
ASPHALT SIDEWALK RAMP DETAIL FOR THOMAS MALLEN ROAD & HALLET ROAD
NTS

MAXIMUM DEFLECTION FOR DUCTILE IRON PIPE					
SIZE OF PIPE	DEFLECTION ANGLE	* MAXIMUM DEFLECTION 18' LENGTH	* MAXIMUM DEFLECTION 20' LENGTH	APPROXIMATE RADIUS OF CURVE PRODUCED BY SUCCESSION OF JOINTS 18' LENGTH	APPROXIMATE RADIUS OF CURVE PRODUCED BY SUCCESSION OF JOINTS 20' LENGTH
(IN)	(DEG)	(IN)	(IN)	(FT)	(FT)
4	5°	19	21	205	230
8	5°	19	21	205	240
10	5°	19	21	205	240

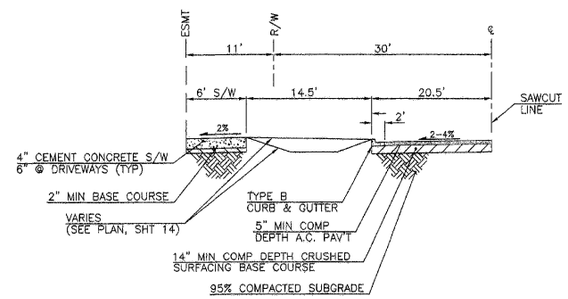
* ALLOWABLE DEFLECTION SHALL BE 75% OF LISTED MAXIMUM. PER CITY OF SPOKANE.



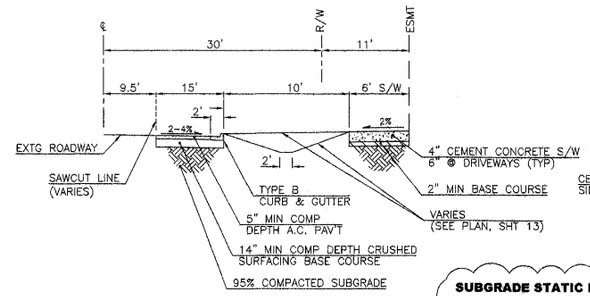
TYPICAL SIDE SEWER CROSSING OVER WATERLINE
NTS



THOMAS MALLEN ROAD SECTION
NTS
(STATION 15+83.79 TO STATION 17+73.11)
(STATION 19+77.72 TO STATION 20+51.60)
(STATION 22+74.70 TO STATION 24+48.95)

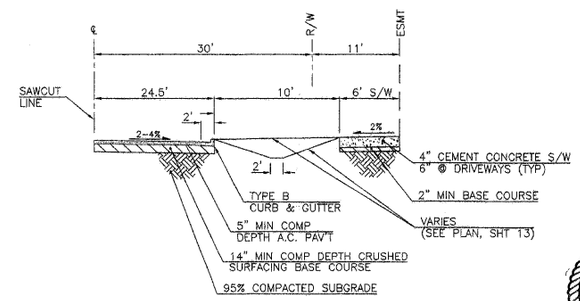


THOMAS MALLEN ROAD SECTION
NTS
(STATION 17+73.11 TO STATION 19+77.72)
(STATION 20+51.60 TO STATION 22+74.70)

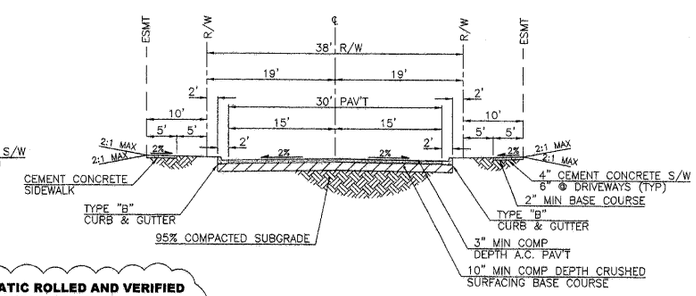


NOTE:
SAWCUT LINE TAPERS FROM STATION 3+31.88 TO STATION 4+71.03 (9.5' RT)
SEE DETAIL ABOVE FOR STATIONING BELOW

HALLET ROAD SECTION
NTS
(STATION 4+71.03 TO STATION 5+22.28)
(STATION 6+92.21 TO STATION 7+44.86)



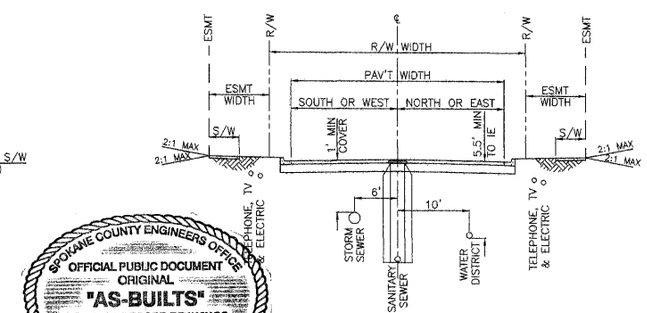
HALLET ROAD SECTION
NTS
(STATION 5+22.28 TO STATION 6+92.21)



SUBGRADE STATIC ROLLED AND VERIFIED FOR UNIFORM PLIANCY. FILTER FABRIC PLACED FULL WIDTH. IMPORTED FREE DRAINING GRANULAR MATERIAL WITH LESS THAN 12% PASSING THE NUMBER 200 SIEVE PLACED A MIN OF 12" DEEP AND COMPACTED TO 95% OF ASTM D-1557

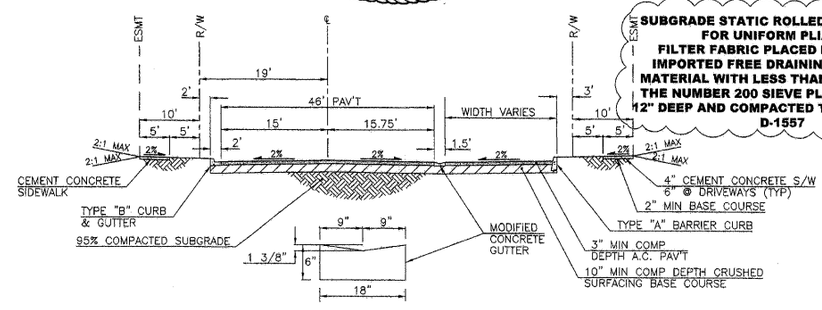
TYPICAL STREET SECTION
NTS
LUCAS STREET
NICK AVENUE
SPENCER COURT
ASHER AVENUE
WEST TERRACE DRIVE

RECORD DRAWING



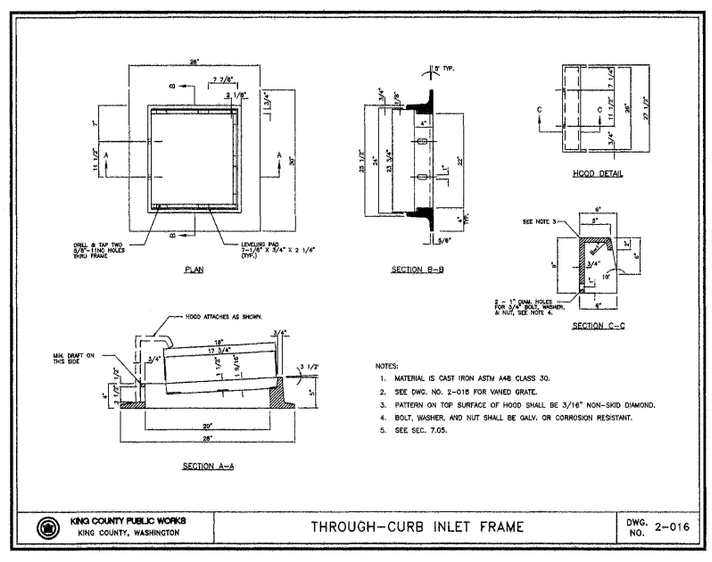
SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P1918 B
DATE ACCEPTED: 12/31/07

TYPICAL UTILITY LOCATIONS
NTS



SUBGRADE STATIC ROLLED AND VERIFIED FOR UNIFORM PLIANCY. FILTER FABRIC PLACED FULL WIDTH. IMPORTED FREE DRAINING GRANULAR MATERIAL WITH LESS THAN 12% PASSING THE NUMBER 200 SIEVE PLACED A MIN OF 12" DEEP AND COMPACTED TO 95% OF ASTM D-1557

TYPICAL EYEBROW SECTION (11)(14)
NTS



KING COUNTY PUBLIC WORKS
KING COUNTY, WASHINGTON

THROUGH–CURB INLET FRAME

DWG. NO. 2–016

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON
STATE OF WASHINGTON
37228
REGISTERED PROFESSIONAL ENGINEER
12-17-07
EXPIRES 11/24/09

PROJECT APPLICANT	
AHO CONSTRUCTION	Date

HOPPER DENNIS JELLISON P.L.L.C.
ENGINEERS & PLANNERS
314 W. 15th Street
Vancouver, WA 98660-2927
(360) 695-3411
(503) 924-4005
FAX (360) 695-8767
Internet: www.hjengineers.com

27/29

PROJECT NAME: BIG SKY – PHASE 3

SHEET LIMITS: MISCELLANEOUS DETAILS

TYPE OF IMPROVEMENT: DETAILS

CITY PROJECT NUMBER: 2005040, 2005041

CITY PLAN NUMBER: DETAIL 7–24–42

PROJECT LIMITS: HALLET ROAD & THOMAS MALLEN ROAD

EPS:

CALL BEFORE YOU DIG 456–8000

P1918B Eng As Builts

DATE	BY	PROJ.	DESCRIPTION	DATE	BY	PROJ.	E.F.N. , U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
REVISIONS				RECORD							GRADE ESTABLISHMENTS				
11/16/07	RECORD DRAWING by ALLWEST TESTING AND ENGINEERING														

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

BENCH MARK LOCATION: A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV = 2408.49 NAVD29 DATUM

NAVD88 ELEV. 2412.29

CBM NO.

NAVD88 DATUM

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

HORIZONTAL PLAN/PROFILE VERTICAL PROFILE ONLY

SCALE

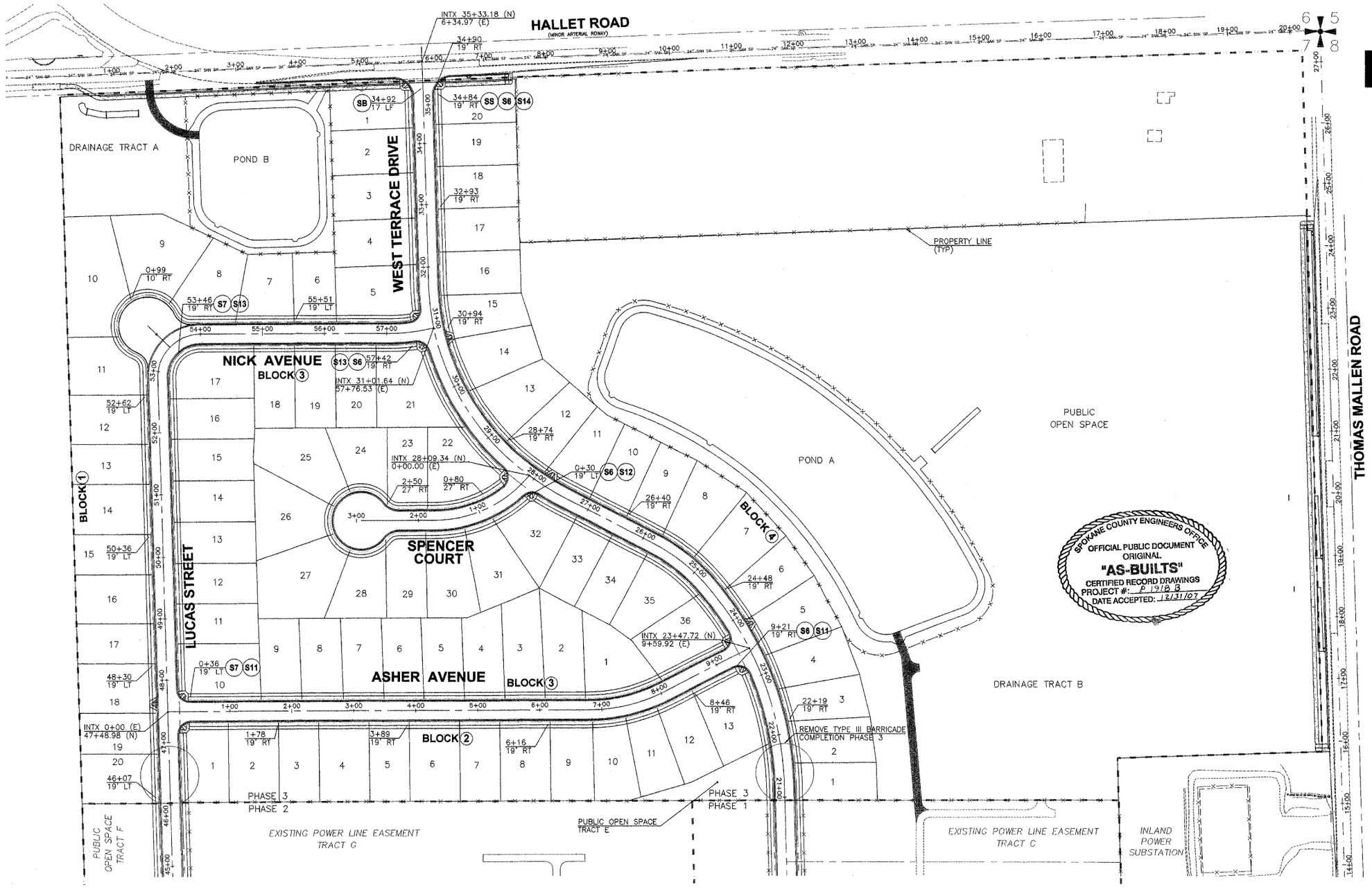
CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CDS	9/04
REVISED:		
CHECKED:	TGJ	9/04
APPROVED:	TGL	9/04

PROTO2002.DWG; REV 11/27/2002

L:\205-064T Big Sky Ph 3\asbuilt street p27.dwg, Layout1, 12/17/2007 10:51:12 AM, 1:1

RECORD DRAWING



SPOKANE COUNTY ENGINEERS OFFICE
OFFICIAL PUBLIC DOCUMENT
ORIGINAL
"AS-BUILTS"
CERTIFIED RECORD DRAWINGS
PROJECT #: P 1918 B
DATE ACCEPTED: 12/31/07

LEGEND

SB	PAINTED STOP LINE, 18" WIDE
SS	STOP, MUTCD R1-1
S6	STREET NAME (WEST TERRACE DRIVE) MUTCD D-3
S7	STREET NAME (LUCAS STREET) MUTCD D-3
S11	STREET NAME (ASHER AVENUE) MUTCD D-3
S12	STREET NAME (SPENCER COURT) MUTCD D-3
S13	STREET NAME (NICK AVENUE) MUTCD D-3
S14	STREET NAME (HALLET ROAD) MUTCD D-3
	MUTCD TYPE III BARRICADE
	LUMINAIRE
	STREET SIGN
	PAINT LINE, PER SECTION 8-22 WSDOT 2004 STANDARD SPECIFICATIONS

NOTE:
ALL EXISTING SIGNS WITHIN THE ROAD CONSTRUCTION LIMITS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER.

N. W. E. S.

PROJECT APPLICANT

AHO CONSTRUCTION — Date

I HAVE REVIEWED THE CONSTRUCTION AND TO MY KNOWLEDGE FIND IT TO BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED CERTIFIED PLANS AND STANDARD SPECIFICATIONS EXCEPT AS NOTED.

PAUL T. NELSON — STATE OF WASHINGTON — 37228 — REGISTERED PROFESSIONAL ENGINEER — 12-17-07

EXPIRES 11/24/09

HOPPER DENNIS JELLISON P.L.L.C.
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314 W. 15th Street
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(503) 924-4005
FAX (360) 695-8787
Internet: www.hdjengineers.com

29/29

PROJECT NAME:	BIG SKY – PHASE 3
SHEET LIMITS:	SIGNING, STRIPING & ILLUMINATION
PROJECT LIMITS:	HALLET ROAD & THOMAS MALLEN ROAD

TYPE OF IMPROVEMENT: CITY PROJECT NUMBER / CITY PLAN NUMBER / EFN:

CALL BEFORE YOU DIG 456-8000

P1918B Eng As Builts

DATE	BY	PROJ	DESCRIPTION	DATE	BY	PROJ.	E.F.N.	U.S.N.	FROM	TO	COUNCIL ACCEPT DATE	FROM	TO	ORD. NO.	DATE	FILE NO.
				11/16/07			RECORD DRAWING by ALLWEST TESTING AND ENGINEERING									

REVISIONS — RECORD — GRADE ESTABLISHMENTS

NAVD88 = (OLD CBM ELEV.) – (13.13) AS OF JANUARY, 2000 USE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
BENCH MARK LOCATION A WSDOT 3" BRASS DISK IN MONUMENT CASE LOCATED IN THE INTX OF GEIGER RD & HAYFORD RD ELEV IS 2408.49' NAVD29 DATUM
NAVD88 ELEV. 2412.29 — CBM NO.
NAVD88 DATUM
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
HORIZONTAL PLAN&PROFILE 1"=60'
VERTICAL PROFILE ONLY N/A
SCALE

CURRENT CITY/COUNTY DESIGN STANDARDS ADOPTED FEB.1995

	LAST PROJECT BY	DATES
DRAWN:	CTS	9/04
REVISED:		
CHECKED:	LDG	9/04
APPROVED:	JRW	9/04

PROT02002.DWG: REV 11/27/2002

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